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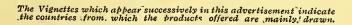
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There is no doubt that these Show-cards will prove equally effective now; they are just the kind of thing that will bring back to the man in the street the salient points of the advertisement he has read in his newspaper, and thus secure the business for you when he buys our lines.

As you will see, there is one new Show-card included (No. 5); it clearly explains the all-British ownership of Sanatogen and Formamint, and should therefore be always used in conjunction with the other Show-cards.

The latter are simply the remnant of our predecessors' stock, and can never be re-printed. There are not nearly enough of them to meet the present demand; so every pharmacist who has sufficient window-space available should write at once either for the whole series or for whichever Show-cards he can utilise. (Applications will be dealt with in strict rotation.)

We take this opportunity of thanking our numerous friends in the Trade for the cordial support they are giving us, and of wishing them a Happy and Prosperous New Year.



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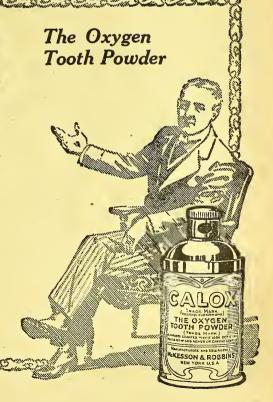
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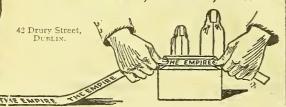
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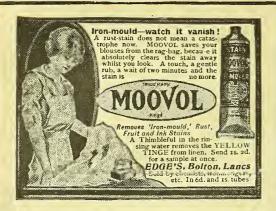
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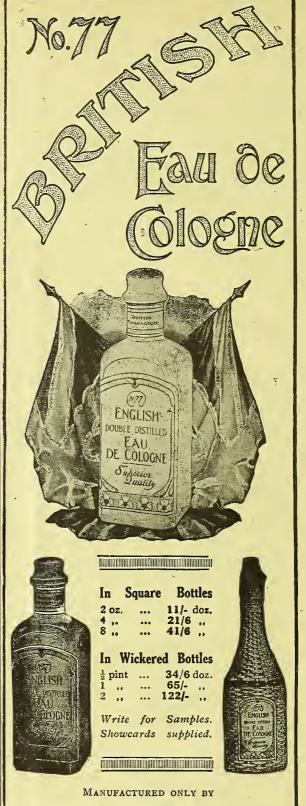
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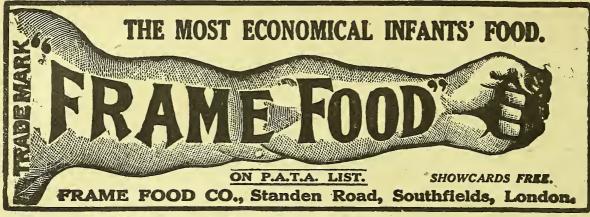
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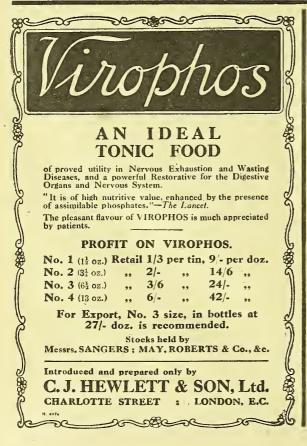
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MESSRS. AERATORS, LTD., regret that it has been, and will be for some time yet, impossible for them to meet demands for the "Prana" Sparklet Syphons and Bulbs, not only owing to other urgent war work, but also to the restricted supply of materials and the large demands (which must be considered preferentially) by the Expeditionary Force Canteens, Red Cross Society, &c. &c.

As regards "D" Bulbs, for the time being it is only possible to refill empty bulbs returned, and the Company request the cooperation of the Trade in the return of as many empties as possible for refilling.

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42/- per case of 50 large botts., or 10/3 per dozen

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And to PRIVATE BUYERS :-

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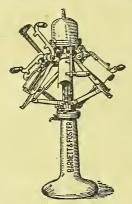
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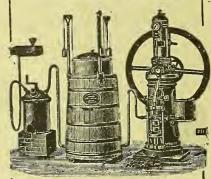
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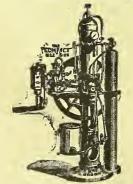
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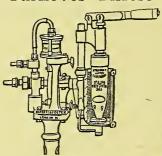
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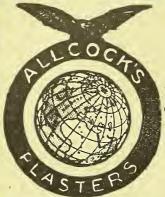
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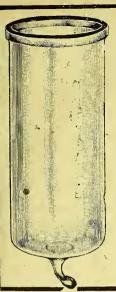
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SATURDAY, JANUARY 20, 1917

TO ADVERTISERS IN THIS SUPPLEMENT.

The Publisher desires to make it clear that advertisements of Businesses for Disposal and Wanted, Situations Open and Wanted, Exchange Column, &c., MUST BE PREPAID (except in the case of serial advertisers), and to ensure prompt insertion REMITTANCES MUST ACCOMPANY INSTRUCTIONS.

Advertisements for the current issue cannot be received after 4 p.m. on Thursday in each week. If it is necessary to telephone or telegraph an urgent announcement this may be done
PROVIDED the MONEY is TELEGRAPHED

at the same time and the fact made clear that the money order is to be delivered at 42 CANNON STREET, LONDON, E.C. Advertisers will assist greatly in the preparation and quick despatch of the Supplement by making careful note of these rules. Telephone: No. 3617 Central (3 lines). Telegraphic Address: "Chemicus Cannon London." (Three words counted as two.)

Winter Issue-Next Week.

THIS means that "The Chemist and Druggist" Supplement of January 27 must be put to press earlier than usual. All advertisements, therefore, intended for next week's Supplement must reach this Office not later than

2 p.m. on THURSDAY, JANUARY 25.

Any announcements that come to hand after that time will be inserted in "The Chemist and Druggist" Supplement of February 3.

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CHEMISTS' TRANSFERS. Messrs. ORRIDGE & CO., 56 Ludgate Hill, E.C.

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2.—SLOANE STREET (Near).—Retail and Dispensing Business; held by vendor upwards of 30 years; returns £2,000; gross profit 50 per cent. (proof given); terms, goodwill £250, stock and fixtures by valuation; good opening for a partnership.

3.—CITY PHARMACY.—Neglected Business; returns present rate, under Assistant, about £13 weekly; an opportunity presents to materially extend the turnover; offer wanted.

4.—LONDON, E.—Ready Money Drug Stores, at present under unqualified management; returns £8 to £10 weekly; scope for development under energetic management; price £150; death cause of sale.

development under energetic management; price £150; death cause of sale.

5.—PORTLAND ROAD STATION (Within easy distance of).—
For Disposal through death, good middle-class Business; retail and Dispensing; excellent position in main thoroughfare; returns about £1,000; scope for considerable extension under energetic management; valuation terms entertained.

6.—LONDON, N. (Distant Suburb).—Established Business, chiefly ready money; returns between £1,600 and £1,700; net profit, £450; full investigation permitted; price £500; vendor returine.

7.—HOME COUNTY.—Good-class Retail and Dispensing Business, with Optical connection, in select residential district: returns about £2,500 per annum; terms, valuation of stock and fixtures and sum for goodwill to be agreed equitably.

8.—WESTERN COUNTY.—Old-established Business; Retail. Dispensing, and Agricultural; situate in best position in good

market town; returns about £1,700; price £1,000, for which good value is offered.

market town; returns about £1,700; price £1,000, for which good value is offered.

9.—PARTNERSHIP.—A partner required in very old-established Business situate on the coast; a gentleman with a small capital would not be objected to; returns, including branch, between £2,500 and £3,000.

10.—SUSSEX.—Good-class Business; Retail, Dispensing, and Optical; established many years; returns, present rate, between £850 and £900, formerly £1,400; to a prompt purchaser valuation of stock and fixtures and £100 for goodwill would be accepted; an opening presents to make £500 a year net profit under good personal supervision.

11.—BANKS OF THE THAMES.—Good middle-class Retail and Dispensing Business; busy théroughfare in nice residential suburb; returns about £1,200; net profit 25 per cent.; stock and fixtures estimated by vendor at £650; price, to include goodwill and lease, £800.

and lease, £800.

12.—SUSSEX (Health Resort).—Good middle-class Retail, Dispensing, and Photo Sundries; situate in main road in chief business centre; returns between £1,000 and £1,100; net profit exceeds £350; attractive shop and large residence; price £750.

13.—NORTHERN SUBURB.—Middle-class Retail, chiefly ready works at the grange between £1,000 and £1,100. The profit exceeds £350 is attractive shop and large residence; price £750.

13.—NORTHERN SUBURB.—Middle-class Retail, chiefly ready money; returns average between £1,050 and £1,100; net profit £450; price about £600; full inspection invited.

14.—MIDLANDS (Large Town).—Retail and Dispensing Business, established many years; returns under management about £600, formerly £1,000; there is also an appointment giving an income of £80 yearly; satisfactory reason for disposal; valuation terms entertained.

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2.—HOME COUNTY.—Good-class Country Retail Business, easily worked; returning about £900 at good profits; pleasant market town; exceptionally good house; moderate rent; well fitted and fully stocked; price £650.

3.—MIDLANDS (Death Vacancy).—Light Family Retail and Agricultural, in pleasant market town; easy hours; returns £900; net profit £500; good opening for Photo and Optics; one other Chemist; price £425, or first reasonable offer.

4.—SOMERSET.—Light Retail Business, in good market town; owner retiring through ill-health; returns £500; plenty of scope; net profit £200; price simply valuation, about £300.

5.—SUSSEX COAST.—Well-established Light Retail, Dispensing, and Prescribing Business in rising seaside resort; returns about £650; good profits; splendid house; attractive Pharmacy; price only £250; worth attention.

6.—LONDON (Western Suburb).—Profitable Cash Retail; no immediate opposition; present returns average over £20 weekly; net profit about a third; owner, joining up, will accept about £150 for quick sale.

7.—LONDON, N.W.—Good middle-class Retail; no Panel or Poisons sold; returns £600; net profit about half; low rent; lock-up shop, double-front and handsomely fitted; price £275; trial allowed.

lock-up shop, trial allowed.

STOCKTAKINGS.

Appointments for stocktakings and valuations should be made early. Full particulars and terms sent on application.

Why you should have stock taken is very clearly defined on page 90 of the C. & D. Diary, 1917.

Have you read it?

We desire particularly to draw the attention of Colonial and Foreign Subscribers to the fact that in cases where they require partners, agents or assistants, or wish to sell their businesses, an advertisement in this Supplement, placed in every copy of "The Chemist and Druggist," should be the readlest means of helping them to attain their object. The tariff for such announcements is given under the appropriate headings in the Supplement. Instructions and remittances can be sent to us direct or through the advertisers' correspondents in this country.

BUSINESSES FOR DISPOSAL

3s. 6d. for 50 words or less; 6d. for every 10 words or less beyond, prepaid.

The Advertiser may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of 6d.

Price-lists, trade circulars, samples, and printed matter can in no case be forwarded, the Box numbers being intended exclusively for specific answers to particular advertisements. The Publisher reserves the right to open and refuse to forward any communiontions received which he may consider contrary to this rule.

NORTH WALES.—Growing country Business in market town; Cash trade; takings for 1916 over £1,000; Fixtures and Stock as new; low Rental; Kodak depôt; good opening for Optics; fullest investigation to bona-fide buyer; price, valuation stock and fixtures, about £700; owner called up; Welsh an asset; no agents. Apply, 108/10, Office of this Paper.

WEST RIDING, Select Suburb.—Light Retail; returns £800, increasing; good profits; N.H.I. untouched; can be nearly doubled under good management; well fitted and stocked; large shop and good house; reasonable rent; under exceptional circumstances will sell for £370 or valuation, part could remain; a chance of a lifetime for anyone wanting a sound good-class business. "Genuine" (108/35), Office of this Paper.

CHEMIST'S Business in busy part Shepherd's Bush for Sale (owing to death of Proprietor) as a going concern at valuation of stock and fixtures; excellent corner position at low rent; good opening for energetic man. Apply, D. & Co., 186 High Street, Acton, W.

COMPACT Pharmacy, five miles from Liverpool, to be Disposed of; Stock and Fixtures at valuation; increasing returns; holiday resort; low rental (house and shop); good reason for selling; unopposed; splendid opportunity for investor with small capital. Apply, 16 Lonsboro' Road, Seacombe, Cheshire.

DEATH vacancy; South Gosforth; Business in main thoroughfare about one mile from nearest Chemist; takings £800; would accept any reasonable offer for immediate sale; small capital only necessary. Apply, "M.P.S.." 21 Station Road, Gosforth, Newcastle-on-Tync.

FOR SALE.—Small Business in a thickly-populated district of large Midland town; no near opposition; fine opportunity for energetic man; will accept valuation of Stock and Fixtnres. 101/23, Office of this Paper.

FOR SALE.—A large Drug Stores elaborately fitted with Glass Showcases and best of Drawers, in main road of Portsmouth; turnover £800 to £1,000 per year; could be doubled by a qualified man; now under unqualified lady management, and has been for six months; lease twelve years to run; good living house and garden; rent £40 per year; price of Goodwill, Lease, and Fittings, £100; would take £60 down, £40 paid by arrangement; stock, about £350 worth, optional; reason for selling, proprietor called up. Apply, 104/39, Office of this Paper.

ROR Sale, at valuation, Drug Stores in Lancashire, 10 miles from Manchester; Wholesale and Retail; doing over £40 a week under unqualified, easily managed; easy rent; population 15,000; established 21 years, same hands; proprietor retiring from business. Apply, "Genuine" (94/30), Office of this Paper.

POR Disposal.—Small Business in working-class district; established 1881; under qualified management with Dentistry, until 1912; shop or shop and house at low rental; stock and fixtures at valuation. For further particulars apply 2 Crosby Terrace, Norton Road, Stockton-on-Tees.

PARTNERSHIPS.

A DVERTISER, above military age, with exceptional Wholesale, Manufacturing, and Retail experience (qualified), seeks a working Partnership which would yield an income of not less than £250 per annum; must bear the strictest investigation. Apply, with full particulars, "Radium" (109/27), Office of this Paper.

OPTICS.—A golden opportunity offers in a town in the West England (population 20,000) with a fine agricultural district, for a good Optician; absolutely no opposition, and a crying demand; a Chemist with a fine Family Business is open to finance and advertise a good practical man, and, if he will help at the Counter in spare time, pay him a salary from start; casy income from £200 to £300, increasing as known; a case of mutual help. Write, in coufidence, to "Beta" (188/56), Office of this Paper.

AGENCIES.

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DUBLIN and the South and West of Ireland.—An experienced Traveller, who has a first-rate connection among Chemists and Druggists, is desirous of Representing a really good firm on commission or part salary and commission in highest references. Apply, "P. L." (111/2), Office of this Paper.

IMPORTANT TO LONDON AND SCOTCH FIRMS REQUIRING REPRESENTATION IN THE MIDLANDS TO COVER GROUND PREVIOUSLY WORKED BY TRAVELLERS.

MANCHESTER distributing house is open to accept one or more additional Sole Agencies. Clientèle Wholesale and Retail, Chemists, Doctors, and public. Such Agencies would receive benefit of existing facilities and machinery; Wholesale warehouse, showroom, circular-letter campaign department, and services of efficient representatives. Apply, 169/48, Office of this Paper.

COTLAND.—Representative for well-known London Toilet-brush Manufacturers is open to take up additional Sole Agency; first-class connection throughout Scotland with Chemists (Wholesale and Retail), Hairdressers, Stores. Apply, 108/6, Office of this Paper.

GENTLEMAN wanted with established Retail business, Central London, to co-operate with a Provincial firm in putting a Postal Proprietary on the market. Give full business address and experience, 101/22, Office of this Paper.

SOAP and Perfume house require Representatives who are already working home grounds to carry samples on basis of commission with contribution towards expenses; only first-rate men will be considered by advertisers, who are house of high repute. Full particulars, in strict confidence. Apply, 169/480, Office of this Paper.

TRAVELLER (33), ineligible, covering N.W. England and Isle of Man, is open for additional Agency; good selling record and first-class references; commission preferred. 107/27, Office of this Paper.

FOR SALE.

DISPENSARY and Drug Stock in London for Sale by private treaty; selection permitted at discount from list prices current. 108/8, Office of this Paper.

FOR SALE, a bargain, the Stock-in-trade, Plant, and Fixtures of a well-fitted Chemist and Druggist's shop, just off Finsbury Square, in a good thoroughfare; rent of lock-up Shop and basement £160 per annum inclusive. Full particulars of Messrs, 'Heaps, Son & Reeve, Auctioneers, 4 Old Jewry, E.C.

NATIONAL Cash Register (second-hand) going cheap; real bargain; condition guaranteed; small machine. Write at once to F. Fishwick, 137 Jamaica Road, Bermondsey, S.E.

PALM Oil, about 13 cwt. in Puncheon, for Disposal; what offers, carriage forward from Peel, Isle of Man? Apply, 106/4, Office of this Paper.

TRANSFER Labels; suitable for Tooth Powder, Boracic and Zinc Ointments, Cold Cream, Camphor Ice, Complexion Wax, etc.; nice designs; from 4s. 6d. per 1,000; lower price to clear; send P.O.O. for sample 1,000 to Lever, 107 Leicester Road, Broughton Park, Manchester.

4 LB. Sodium Brom., 5s. lb.; 4 oz. Phenazone Plv., 2s. 6d. oz.; 1 b. Bismuth Subgall, 10s.; 8 lb. Zine Ox Plr., 10d. lb.; 100 Shop Rounds, 10 to 60 oz., fair condition, 4s. to 12s. doz.; 5,000 No. 1½ Cachets, and 5,000 No. 2 ditto, 1s. 6d. 1,000; 5½ doz. Japanese Air-Pillows, 5s. doz.; 1½ doz. Douche Tubing, new, 6s. doz.; 6 oz. Theobromine, 4s. oz.; 6 doz. Anti-Diphtheria Serum., 1,500 units 3 ccm., Meister Lucius & Bruaing, guaranteed to Nov. 1918; 24 x Bayer's Istizin; 11 boxes Diphtheria Serum, 3,000 units 36. ccm., Mcrck; 2x Gonokokken Serum, 10 ccm. in ea., Merck; 3 doz. Gonoton; 17 Semori; 25 grn Pneumin; 9 boxes ca. 100 Ichthyol Pills, Ichthyol Co., Hamburg; 15 boxes ca. 100 Ichthyol Caps, Ichthyol Co., Hamburg; 3 bots. Stypticin, Merck., 1 oz.; 3 bots. Stypticin, Merck. 1sets offers for any of above, Stevens, 97 Boro' High Street, S.E.

TUBES Atophan Tablets, 10 bots. Bayer's Aspirin Tablets, ½ oz. Beta-Eucaine, 2 oz. Jothion, 3 oz. Lysidin, 1½ oz. Medinal Powder, 1 oz. Omnopon, 3 oz. Phenocoll Hyd., 2 oz. Sidonal, 4 oz. Theocin Sod. Acet., 16 doz. Leichner Grease Paints, 7 lb. Pot. Permang. Evans, Chemist, Margate.

TO LET.

KENT COAST.—Shop, in splendid position, High Strèet; well fitted in mahogany; fair stock; wants qualified management to do excellent trade; about £170 wanted. 109/14, Office of this Paper.

DOUBLE-FRONTED Shop in good-class populous locality to Let in Midland town; no Chemist under one mile; splendid scope for N.H.I. Dispensing; low rent. Apply, first instance, Siddals, Newhall, Burton-on-Trent.

BUSINESSES WANTED.

WANTED to Purchase, Light Retail and Dispensing Business, with Photographic Sundries; South Devon preferred; must be able to keep Assistant; price about £1,000. Full particulars of business and house, in strict confidence, to "Rex" (106/10), Office of this Paper.

TENDERS.

CUY'S HOSPITAL, S.E.—DRUGS.—The House Committee invite Tenders for the supply of Drugs for prompt delivery. A list of these, with further particulars and forms of tender, may be obtained on application at the Superintendent's Office. Tenders, duly sealed, are to be sent to the Superintendent's Office not later than January 27, 1917.

SITUATIONS OPEN.

3s. 6d. for 50 words or less; 6d. for every 10 words or less beyond, prepaid.

The Advertiser may, if preferred, have replied addressed to this Office, and forwarded on payment of wardditional charge of 6d.

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fhis Blackboard demonstrates that Advertisers using the columns get a ready response to their announcements. The figures only refer to some of the letters RECEIVED AT OUR OFFICE on behalf of Advertisers who use a number or nom de plume.

RETAIL.

A LDERSHOT.—Qualified Assistant required (male or female), used to first-class business, for Dispensing duties only; hours 8 to 6; no Sunday duty; permanency; good prospects. State age, commencing salary required, and particulars of previous engagement, to Junior Army & Navy Stores, Ltd., Union Street, Aldershot.

A LTRINCHAM PROVIDENT DISPENSARY AND HOSPITAL. A —Wanted, qualified Disponser (male or female); must have at least the qualifying certificate of the Pharmaceutical Society; salary £105 per annum. Apply, William Moody, Secretary, Market Street, Altrincham.

PRIGHTON.—Wanted, by end of January, for Dispensing and good Retail business, competent Assistant, lady or ineligible; outdoors. Apply, with full particulars and salary required, to John Miller, 4 Victoria Road, Brighton.

CAMBRIDGE.—Wanted, lady or gentleman (if letter, must be ineligible for military service), as Qualified Assistant in good Dispensing business; in or out-door. Apply, G. Beall & Son, Pharmacists, 25 Sidney Street, Cambridge.

CHELTENHAM.—Wanted, Assistant for good-class business; sleep on premises. Please give full particulars in first letter, Thomas Bros., College Pharmacy, Cheltenham.

CHESTER ROYAL INFIRMARY.—Wanted (temporarily), duly-qualified Dispenser. Apply, with full particulars as to qualification and experience and salary required, to the Hon.

CROMER.—Wanted, an Assistant; qualified preferred; indoors; Dispensing and Retail business; must be ineligible. State terms and references, Dulley, Chemist, Cromer.

CROYDON.—Qualified Assistant for Dispensing and Light Retail business; good salary to smart man; permanency. State age, experience, etc., to W. E. Matthews, Ltd., 40 George Street,

CROYDON GENERAL HOSPITAL.—A qualified Dispenser (male or female) is required at once as Locum Tenens. Apply, stating terms, to the Secretary, 'Phone No.: Croydon 1733, or by

HAMPSHIRE.—Lady or gentleman Assistant (any age) for good-class Dispensing business in beautiful Hampshire village near military camp, where a good business is done; hours are short; shop pleasant to work in; healthy Hampshire pine district. Particulars to Keeble, Chemist Liss, Hants.

LANCASHIRE.—Splendid opening for smart young married man, ineligible for military service, as Manager; business situate in a pleasant suburb of large manufacturing town; interest in the profits offered. "Lancs" (107/390), Office of this Paper.

LEICESTER.—Junior Assistant (lady or gent.) for Dispensing Counter and Galenicals; must have had some Dispensing experience; good opportunity to obtain thorough knowledge. Also one required for branch shop; used to N.H.I. Dispensing. Salary required and references to F. W. Goodess, 25 Market Street, Leicester.

LONDON District.—Unqualified Assistant, age about 46, required for Light Retail and Dispensing business; permanency to a suitable man. "G." (107/392), Office of this Paper.

LONDON, N.—Assistant (ineligible for military service) wanted for Counter; salary and commission, minimum 50s. per week; reasonable hours. Please state age, experience, references, and when disengagd in first letter, or apply personally, to Bishop & Vincent, 460 Holloway Road, London, N.

LONDON, N.—Immediately, capable Managing Assistant; married; to live on premises. Please give full particulars of experience, age, etc., and when disengaged, to C. N. Coles, 304 High Road, Tottenham, M.

LONDON, N.-Wanted, an Assistant at once, chiefly for light Dispensing; outdoors; ladv with good knowledge of Dispensing would suit. Apply, T. E. Savage, Cronch End, N.

L ONDON, N.W.—Wanted, young lady as Bookkeeper and to assist in high-class Pharmacy. Apply, W. Browne, 509 Finchley Road, Hampstead, N.W.

TO SAVE TROUBLE.

MANY correspondents answering advertisements in this Supplement enclose remittances to cover the cost of forwarding their letters to advertisers who prefer to be addressed c/o this Office. The Publisher desires to make it clear that this is quite superfluous, and perhaps this reminder will obviate the necessity of the frequent return by him of such remittances.

ANSWER IN TERMS OF THE ADVERTISEMENT AND

- REMEMBER you are one of possibly hundreds applying for the same position. Put your case before the advertiser so that he may be able to form a MENTAL PICTURE of your suit-
- BE BRIEF BUT CLEAR.—Millions of applications are consigned to the waste-paper basket UNCONSIDERED, because the reader cannot form this picture from the inadequacy of the materials set before him.

L ONDON, S.E.—Wanted, Assistant, unqualified (ineligible for military service), for Dispensing and Light Retail business. Apply, with full particulars, salary required, etc., to 192/19, Office of this Paper.

I ONDON, S.E.—Capable Assistant wanted immediately; female or ineligible male; permanency. Apply 109/33, Office of

I ONDON, S.E.—Qualified Manager wanted for working-class business; excellent wages and prospects to suitable man, who must have good references. Apply, with usual particulars, "S. B." (110/8), Office of this Paper.

L ONDON, S.E.—Wanted, a qualified or unqualified Assistant with a knowledge of Prescribing and Dispensing, and can mauage a small Retail, and is active. Apply, with particulars, salary, references, etc., to D. U. Still, 9 The Village, Old

ONDON, W.—Assistant wanted; one accustomed to West End business preferred. Rouse & Co., 12 Wigmore Street.

MANCHESTER.—Wanted, qualified or unqualified man; also youth or young woman; man with knowledge of Dental work preferred (not essential); hours 8.30 a.m. to 8 p.m.; 2 hours Sunday evening; good prospects man seeking permanency; youth or woman to Manage Store; hours 8.30 a.m. to 6 p.m. State salary, and give usual particulars, 110/9, Office of this Paper.

NORFOLK.—Qualified Chemist for Dispensing, Agricultural, and all-round country business; must be ineligible; state terms and references. Apply, A. E. Churchyard, Harleston, Norfolk.

ORMSKIRK ORMSKIRK near Liverpool.—Wanted immediately, smort gentleman or lady Assistant; unqualified; outdoors; good salary. Apply to Garside's, Ltd., Dispensing Chemists, Ormskirk.

SHREWSBURY.—Assistant (outdoors); lady with good knowledge of Dispensing would suit: short hours; no Sunday work. Please give full particulars of experience and salary required in first letter. Apply, A. Williams, Chemist, Castle Street, Shrewsburger

SOUTH OF ENGLAND.—Assistant required; free removal; permanency, with good salary. Timothy White Co., Ltd., Chemists, Portsmouth.

SOUTH WALES.—Smart qualified Manager required for business situate not far from Cardiff; must be a capable Dispenser and good Counterman; good salary and interest in the profits offered to suitable man. "S. W." (107/39), Office of this Paper.

SWANSEA and West Glamorgan Chemists' Association require more Locums for the use of members; applicants must live in South Wales or within a reasonable distance. Apply, Secretary, 19 Nelson Street, Swansea.

WEST KIRBY.—Wanted, lady Assistant, with Dispensing qualification for good-class business. Apply, with full particulars, Sanderson, 42 Grange Road, West Kirby.

WEYMOUTH.—Wanted, Assistant, qualified or unqualified, for good-class Dispensing business; must be ineligible for military service. Apply, stating salary required (outdoors) and usual particulars, photo, to Shelley Richards, Pharmaeist, Weymouth.

WINCHESTER.—Lady Assistant (or ineligible male); outdoors; chiefly for Dispensing and Stock. State salary required and particulars of experience, enclose photo (if convenient), Eldred & Ingc, Chemists, Winchester.

WORTHING.—Assistant wanted; unqualified; good-class business; seaside town. Send particulars, with references, to W. Aston, Pharmaceutical Chemist, 6 Burlington Terrace, Worthing.

A CAPABLE lady Assistant wanted; accustomed to good-class Dispensing; hours 9.30 to 6.30; vacancy to be filled at ouce. Apply, Maitland, Son & Lindley, 10 Chester Place, Hyde Park Squarc, W.

A LADY Assistant with good knowledge of Dispensing required; Pharmacy training preferred. Apply, with all particulars, stating salary, to Alfred Bond, The Pharmacy, Newquay, Corn-

A SSISTANT for Dispensing; must have had good experience; casy hours; outdoors; March. Full particulars as to age, height, and salary required. Apply, 109/21, Office of this

A Tonce, competent Assistant for modern Light Store business, without N.H.I.; knowledge of Photography an advantage; qualification not necessary; comfortable and permanent situation for the right man; to save time and avoid needless correspondence please state full particulars as to wages, etc., in first letter. Applications unanswered in three days declined with thanks. "Sussex" (109/26), Office of this Paper.

CAPABLE Managing Assistant required in quick Cash business near the City; qualified and ineligible; Stock packer kept. State terms, references, and when disengaged, to "North-East" (109/37), Office of this Paper.

CHEMIST and Dentist, doing all Mechanical work on premises, has vacancy for Assistant. Please state full particulars, age, experience, where obtained, ability in Pharmacy and Dentistry, if married what family, class of business and houre used to, salary required, when disengaged, references, photo, Foster, "Ivydale," London Road, Portsmouth.

Dispenser wanted immediately for all day Thursdays; chapel. 6d. Dr. Turiansky, 24 Osborn Street, White-

TMMEDIATELY, a thoroughly competent Assistant for good Dispensing and Retail business; a Junior is also needed. Pickard, 3 West Kensington Terrace (opposite West Kensington Station), W.

JUNIOR Assistant; outdoors; ineligible; or lady applicant would suit if able to Dispense and willing to gain experience in Retail; good-class business; hours 8.30 to 8, alternate evening duty after closing until 9.30; light Sunday duty. State usual particulars and salary required, J. W. Feltwell, 91 Hammersmith Road, West Kensington.

JUNIOR Assistant required (outdoors); gentleman incligible for Army, or lady; vacancy for Apprentice also. Hoare, Chemist, Cromer.

LADY Assistant wanted, good Dispenser, for good-class Pharmacy in Suffolk. State age, salary required, and when disengaged. 109/5, Office of this Paper.

LADY Dispenser wanted for good General practice; fnrnished rooms, coal, light, and attendance; 25s.; previous experience with medical men preferred. Apply, Dr. Body, Yester House, Middlesbrough.

LADY or gentleman Pharmacist required, to Manage small Branch, small N.H.I.; hours 8-6, Thursday 12, Friday and Saturday 8 p.m. Apply, with full particulars, to the Secretary, Doncaster Mutual Co-operative and Industrial Society, Ltd., 1 John Street, Doncaster.

MESSRS. TIMOTHY WHITE CO., LTD., Chemists, Portsmouth, require a capable Pharmacist (male or female); easy hours; good and progressive salary, with excellent prospects; free removal.

OUTER Suburb.—Junior Assistant (indoors) wanted; lady or gentleman; must have had good experience of Retail and Dispensing; pretty neighbourhood; high-class trade; comfortable home. In applying, state age, height, and experience, and enclose photo, which shall be returned immediately, Hutchin, Pharmacy Stores, Loughton, Essex.

QUALIFIED lady or gentleman to assist in small business. Apply, with full particulars as to wages, etc., 108/36), Office of this Paper.

QUALIFIED Branch Manager prepared to accept reasonable salary for permanency, not war emergency, plus fair commission on profit, thus deriving benefit of energy and successful management; good-class business; short hours; Southern market town; state full particulars, experience, age, salary, photo, married, etc., Foster; "Ivydale," London Road, Portsmouth.

QUALIFIED Chemist for Dispensing business required at once; must be ineligible for military service. Please give full particulars of experience and salary required, to Lewis Wing, Ltd., 19 Walliscote Road, Weston-super-Mare.

SENIOR Assistant; qualified; over 30; ineligible; must be a good organiser and accustomed to Management. Apply, giving full particulars of experience and salary required, to Mr. Reid, 2 and 3 Queen Street, Exeter.

THOMPSON & CAPPER have vacancies for a qualified and an unqualified Assistant. Write, enclosing photo if possible, to Manesty Buildings, College Lane, Liverpool.

UNQUALIFIED Assistant; ineligible or above military age; must have had good Photographio experience; progressive berth; Midland city; permanency. "Photo" (107/391), Office of this Paper.

UNQUALIFIED Assistant wanted (ineligible for Army or over military age). State reference and salary, Taylor Gibson & Co., 17 Bigg Market, Newcastle on Tyne.

UNQUALIFIED Assistant wanted; good salary to suitable man; one clear day a week off. Apply, H. T. Hines, 86 High Street, Whitechapel.

UNQUALIFIED.—Wauted, good nnqualified outdoor Assistant in London; able to take charge occasionally; good salary to suitable man; one just over military age. Apply, "Assistant" (110/33), Office of this Paper.

UNQUALIFIED Assistant for duration of War only; must be free from all military service. State age, experience, references, and wages, Prosser's, Ltd., 5 Bolton Road, Walkden, Manchester.

WANTED, reliable Assistant; non-eligible; Provinces; Agricultural; permanency. Full particulars, salary, etc., 105/1, Office of this Paper.

WANTED, clderly qualified, for North Midlands; no Counter work; no Sunday; about five hours daily; comfortable and easy situation. Particulars to "R." (108/11), Office of this Paper.

WANTED, qualified Manager; permanency; West London subnrb; outdoors; helf-day Wednesday; Sundays free; apprentice kept. Salary required, particulars. Apply, 107/24, Office of this Paper.

WANTED, a lady Dispenser for good-class Chemist's shop. State terms and experience, 109/500, Office of this Paper.

WANTED, an elderly man or one requiring an easy and comfortable berth for a small salary, to Manage a small branch near to main business; a good house and garden if required, and easy hours can be arranged. Apply, giving full particulars and references, to "Juddie" (109/25), Onice of this Paper.

WANTED, by a South Staffs Pharmacy, fully-qualified Assistant; preference would be given to a married middle-aged man; house provided. Apply, with full particulars, copy of testimoniols, to "Medicus" (111/1), Office of this Paper.

45 S. WEEKLY (outdoors).—Assistant wanted for good-class good reference. Apply, giving full particulars, to Price, Chemist, 2 Guildford Road, Woking, Surrey.

WHOLESALE.

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L ONDON Wholesale Patents and Sundries house has vacancy for Packing-room Foreman, to check orders and control staff; also for a Stockkeeper with expert knowlegde of Patents. State qualification and salary required to "X. Y. Z." (108/12), Office of this Paper.

YORKSHIRE (East Riding).—Resident Drug Traveller required. State age, experience, and salary required, 186/2, Office of this Paper.

CLERK (Junior) required for City Wholesale Druggists (male or female); Bookkeeping an advantage; a neat writer and quiek at figures. Apply by letter, giving full particulars and salary required to 192/39, Office of this Paper.

EXPORT Packer, either temporary or permanent; might suit elderly man. H. E. Stevenson & Co., Wholesale Drnggists, 122 Great Suffolk Street, S.E.

GOOD Assistants wanted for Wet Room; also reliable, experienced man to take charge of Bottle-washing Department; latter must be familiar with Drnggists' Glass and Stone Ware and able to keep stock; good wages. Apply, with full particulars, to Goodall, Backhouse & Co., Leeds.

PERFUMERY and Toilet Preparations.—Youth required to assist in Manufacturing department; good opening. Apply, by letter, stating experience and salary required, 188/41, Office of this Paper.

R. CRIPPS & SON, Manufacturing Pharmacists, Hove, require experienced men for Dry Connter and Laboratory; ineligible and of good character; permanent positions for snitable men. Please send full particulars of experience, references, wages, etc., as above.

TRAVELLERS wanted for sections of London to introduce and push the smartest-got-up series of Chemist's own-named Packed Goods yet offered, and (if within Traveller's qualifications) Sundries and Pharmaceuticals, being the products of a leading house making everything a Chemist sells; applicants should have sound Travelling experience and open connections. Write, stating age, experience terms (salary or commission), ground worked, etc., to 189/36, Office of this Paper.

WANTED immediately, a man for the Mixing Room of a well-known Toilet article, with knowledge of light machinery; Chemical knowledge not necessary. Apply, stating past experience and salary required, "Kolynos," 45/44, Shoe Lane, E.C.

WANTED by firm of Fruit Preservers in the North of England, an Analytical Chemist with experience of the chemistry of Sugar Fermentation and Fruit-preserving Processes. Apply, stating age and salary required, and giving full details of experience, qualifications, and present position, to 185/44, Office of this Pane.

WANTED, Laboratory hand; accustomed to Toilct Creams; eareful and accurate worker. Apply, 189/64, Office of

WANTED by London Wholesale House,
WET AND DRY COUNTER ASSISTANTS.
LABORATORY ASSISTANTS.
MAN for making GRANULAR EFFERVESCENT
PREPARATIONS.
Apply, stating full particulars of previous experience, age, and salary required, to "Galenicals" (190/51), Office of this Paper

Paper.

WANTED at once, Representative; ineligible; with good experience and ability in selling Perfumes and Toilet Preparation; new line with very easy sale. Address, stating experience and salary required, 108/33, Office of this Paper.

WORKS Chemist (experienced) wanted by firm of Engineers and Manufacturing Chemists; must be over military age and not at present occupied on Government work. Write full particulars to 1,398, Sells' Advertising Offices, Fleet,

WET Floor and Laboratory hands wanted at once. Apply to Willows, Francis, Butler & Thompson, Ltd., 40 Aldersgate Street, E.C.

SITUATIONS WANTED.

is. for 12 words or less; 6d. for every 10 words or less beyond, prepaid.

The Advertiser may, if preferred, have replied addressed to this Office, and forwarded on payment of an additional charge of 6d.

[HOME.] RETAIL.

 ${
m A^{S~Manager,~by~qualified~elderly~gentleman;~disengaged;~active}}$ and reliable; good eredentials. 108/37, Office of this Paper.

As Manager; over military age; town or country; good-class only. Apply, 110/38, Office of this Paper.

A SSISTANT, age 19, with four years' good experience, desires situation; good references; C2. 107/25, Office of this Paper.

A SSISTANT; tall; smart; thoroughly experienced; good references. "Reliable," 129 Geraldine Road, Wandsworth.

A SSISTANT or Manager; ineligible; unqualified; 26; first-class experience; South Coast preferred, but not essential. Apply, 109/8, Office of this Paper.

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DISENGAGED; 26; all-round experience; Locum or permanent; smart, active, eapable taking charge; quick Dispenser; London or near. Newman, The Nest, Heston Road, Hounslow,

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EVENINGS.—Two or three evenings per week desired; N.H.I. Dispensing and Counter. "J. A. P." (109/11), Office of

EXPERIENCED Assistant; disengaged; exempt. A. W. Farquhar, Railway Hotel, Arklow.

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LADY (Hall qualification) requires Dispensing or Laboratory work; London. Address, "L.," 130 London Road, South-

L ADY Dispenser (Apothecaries' Hall) desires work; institution, Doctor, or Part-time with Chemist; country preferred. Forsyth, Inveroak, Gerrard's Cross.

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LADY Clerk, experienced Wholesale, Retail, desires situation; duration war; help at Counter; no Dispensing; wage 35s. week. Apply, 109/4, Office of this Paper.

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MANAGER or Managing Assistant; London area; qualified; 42; tall, good appearance, active; all-round experience; married; permauency required, with or without view to successiou or interest. "Alpha" (107/35), Office of this Paper.

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MANAGER; qualified; ineligible; City and West End experience. "A. B.," 22 Graham Street, London, N.

MANAGER; qualified; 48; married; working- and middle-class business; present berth five years; country; per-manency; disengaged 31st inst. A Swift, 78 Cheltenham Street,

MANAGER or position of trust; unqualified; thoroughly competent. "E.," 241 Seven Sisters Road, N.

MANAGER; qualified; highest references; all round experience; London or suburbs preferred. "Reliable" (111/28). Office of this Paper.

MANAGERSHIP required by Pharmaeist; over military age; first-class experience in Private and high-class Store trade; expert knowledge of Photography; minimum salary £4 weekly and commission. "Salol" (106/12), Office of this Paper.

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QUALIFIED; will Manage with view to purchase; small capital. State terms, etc., "Rejected" (109/24), Office of this Paper.

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QUALIFIED; best London experience; over military age. Apply, 111/3, Office of this Paper.

QUALIFIED; Manager; elderly, energetic man; permanency or until demobilisation of the Forces; good references; London suburbs or Southern Counties only. Address, 111/10, office of this Paper.

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1s. for 12 words or less; 6d. for every 10 words beyond, prepaid. The Advertiser may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of 6d.

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A DVERTISER (29) exempt, of exceptional experience and good education, seeks responsible post in the East, as Representative or otherwise, where ability, energy, and initiative would count; Drug, Photographic, or allied trades; speaks Hindustanitry, 109/35, Office of this Paper.

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Minimum charge (including registration fee) of 1/for six words or less; 2d. per word beyond, prepaid Inquiries are inserted with a registration number attached to each item, and replies will be communicated direct to the inquirers by the Information Department of "THE CHEMIST! AND DRUGGIST.

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Frincipals having any of the following articles to dispose of are requested to notify the fact by postcard or otherwise staring quantity and price to

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"The Chemist and Druggist," 42 Cannon Street, London, E.C.

Adalin (109/28) Alypin, ½ oz. (186/23) Bromural tablets (109/9) Chinosol tablets (original) Pyramidon tablets (109/9) (109/9)

Caustic potash (191/15) Oxalic acid, 1 ewt. (191/15) Pot. permang. (191/15) Triferrol (109/28)

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FOR DISPOSAL.

DENTAL.

7 PAIRS practically new forceps; what offers? Ashby, St. Bees. FOR sale, 12 dental showpieces, celluloid and vulcanite, from 3s. 6d. R. Lamb. 123 West End Lane, London.

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- 12 100 phénacetin tablets. Ballingall, 449 Great Western Road.
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- LIQUORICE Juice in 10-lb. blocks; I cwt. for sale; or would divide. Apply, 111/32, Office of this Paper.

MISCELLANEOUS.

- COPPER water still; good condition; 300., cost 458. 26 Beauclerc Road, Hamersmith.
- ONE 2-cwt, cask pulv. acid boric, unopened; overstocked; £5, cask free; exchange for typewriter, well-known make, perfect order. Apply, 168/5, Office of this Paper.
- INVALID ward shair, self-propelling, light oak and cane, used twice, as new, cost £6 10s., sell £4; full-size water-bed, about 6 ft. by 3, almost new, cost £6 6s., sell £4 10s.; carriage not paid. E. H. Earle, King Edward Street, Hull.
- PILL machines; excellent order; 24 5-gr.; 30 3-gr.; hypodermic syringe (new); impression trays; 6-gal. upright carboy (cut stopper); \(\frac{1}{3}\) lb. comp. lic. pd. tins; Sinclair's fire extinguisher, 3 gaf (full size), all copper and brass, never used, cost retail £5 10s. "Sykemist," Plumstead, S.E.

WANTED.

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- PALMOLIVE soap; quantity and price. Ballingall, 449 Great Western Road, Glasgow.
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- WANTED, recipes, toilet, medicinal, veterinary, label with price. Samuel Arthur, Chemist, Redruth.
- WANTED, indigo and sodium hydrosulphite. Submit samples and prices to Dr. Enea Ruata, Turin, Italy.
- CABINET Turkish bath; Foot's or any other good make. Full particulars to Llewellyn, Chemist, Goodwick.
- TABLET machine wanted for power. State particulars and price to "J. M.," 84 New North Road, London.
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- NEW Edition .- Hampshire's Volumetric Analysis, also Will's or Southall's Materia Medica cabinet; good condition. Wardle, Chemist, Moses Gate, near Bolton.
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- £5 paid for vanishing cream recipe; must be good working formula and first-class preparation, otherwise useless. (Sine glycerinc preferred). Please send sample and fullest particulars to Walton, 20 Larch Street, Southport.

AIR CUSHIONS.



Fig. 1194.

BRITISH MAKE.



Fig. 1354.

Fig. 1194.—The "EMPIRE," red India-rubber Air Cushion-

Diameter 14 | 15 | 16 | 17 | 18 | 19 | 20 in. Each ... 6 6 | 7 0 | 8 0 | 8 6 | 10 0 | 11 6 | 12 6 | 12 6 | 1354.—Air Cushion, sateen covered, reeded Sizes 14 × 10 | 15 × 12 | 18 × 14 in. Each 4 3 | 4 9 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0 | 6 0

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		kets (12	-	•••	2/-	2/-	19/-
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. ,,	$_{,,}$ $3\frac{1}{2}$	27	•••		8d.	8d.	6/8
"	,, 14	"		•••	1/2	1/2 2/-	11/6 20/-
,,		lb. Boxe			,	*	

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No tocal	,,	28 lbs. 56 ,, 1 cwt.		6/6		5/6
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Keeps the skin soft, smooth and comfortable in all weathers. Should be introduced to ladies for protecting the hands and complexion when on war-work; also for sending to soldiers and sailors who appreciate the comfort it affords after shaving.

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Coming Events.

Saturday, January 20.

B'rmingham Chemists' Field Ambulance (Volunteer). Reposi
Hill Street, at 3 p.m. Parade also on Sunday at 10.30 a.m.

Sunday, January 21.

Pharmacists' Volunter Corps Duke of York's, Chelsea, S.W., at 9.30 a.M. Staff parade, 11 a.M. Sanitation lecture by Q.-M. Sergt. Luke, 12 noon. First-aid lecture by Dr. Durno for Section 5 and recruits. On Wednesday and Thursday, at 2.45 r.M., classes in First-aid will be held at 17 Bloomsbury Square, W.C.

Thursday, January 25.

South East London Pharmacists' Association. Maitland House,
134 Greenwich Road, Greenwich, at 5 p.m. General meeting.

Friday, January 26.

Harrogate Pharmaceutical Association. Address by Mr. F. G. Hines (York).

THE WINTER ISSUE, which will be published next week, has to be put to press a day earlier than usual, and the Publisher cannot guarantee the insertion of any advertisements for the ordinary white-paper pages received after Tuesday next, January 23. Advertisements can be received for the Coloured Supplement up to 2 P.M. on Thursday, January 25. January 25.

European War News.

Import and Export Notices.

DENMARK.—The restrictions on the exportation of sulphur and tapicca from the United Kingdom to Denmark have

been eancelled.

RUSSIA.—A Decree of the Russian Minister of Finance, dated November 26/December 9, prohibits the exportation. via all frontiers of the Russian Empiro, of the articles specified below. The Decree provides that exceptions from the prohibition may be accorded by the Minister of Finance in favour of Allies and friendly countries: Calcium carbide, cellulose and wood-pulp; colours (mineral and earth), including iron minium, consemiled, disinfectants, fats of bide; cellulose and wood-pulp; colours (mineral and earth), including iron minium; cyanamide; disinfectants; fats of all kinds, saponificd (soap) or not; ferro-silicon; gases (condensed and liquefied) and special receptacles therefor; suffocating gases and liquids, as well as products for making them, such as bromine, chlorine, carbonyl chloride (phosgene), chloracetone, chloride of arsenic; metalloids; phosphates, mineral, and combinations of phosphorus; potassium salts; resins, resinous substances, and pitch; salts and acids of the following metals—viz. chrome, manganese, molybdenum, titanium, tungsten, vanadium, copper, tin, mercury, nickel, lead, and zinc; substances obtained from the purification of gas; sulphur ores; wax, vegetable.

UNITED KINGDOM.—The following changes in the list of prohibited exports are notified in the "Gazette" (January 16): (a) Alcohol methylic and its esters is substituted for (a) anyl acetate and other amyl esters is substituted for (a) amyl acetate and other amyl esters is substituted for (a) amyl acetate and other amyl esters is substituted for (a) amyl acetate. Barium sulphate has been transferred from the "C" to "B" schedule.—A Supplement to the "Board of Trade Journal" of January 18 contains complete lists of articles which, according to the latest informatien received by the Board of Trade, are prohibited to be exported to various destinations from British India, Canada, New Zealand, South Africa, Newfoundland, Egypt, Malta, Cyprus, Mauritius, and Ceylon. The Supplement may be obtained (post free 4d.) from H.M. Stationery Office, Imperial House, Kingsway, London, W.C.

Retail Prices of Sweetmeats.

The Sugar (Confectionery) Order, 1917 of the Food Cons including iron minium; cyanamide; disinfectants; fats of

Retail Prices of Sweetmeats.

The Sugar (Confectionery) Order, 1917, of the Food Controller made under Regulation 2F of the Defence of the Realm (Consolidation) Regulations, 1914, is as under:—

Realm (Consolidation) Regulations, 1914, is as under:—
In exercise of the power conferred upon him by Regulation 2F
of the Defence of the Realm (Consolidation) Regulations, 1914,
and of all other powers enabling him in that behalf, the Food
Controller hereby orders as follows:

RETAIL PRICE OF CHOCOLATES AND SWEETMEATS.

1. (a) Except under the authority of the Food Controller, no
person shall, after the 1st day of February, 1917, manufacture
or supply or offer to supply from goods manufactured by him any
chocolate for sale by retail in the United Kingdom at a price
exceeding the rate of 3d, per ounce, or any other sweetmeats for
sale by retail in the United Kingdom at a price exceeding the
rate of 2d, per ounce, and no person shall after the 1st day of
May, 1917, sell or buy or offer to sell or buy by retail any chocolate or other sweetmeats at a price exceeding the rate specified
in each case. late or other sweethers as in each case.

(b) The price specified in the foregoing paragraph shall in each case include the price of any box, package or covering in which the goods are sold by retail.

Other paragraphs deal with the use of sugar and chocolate as covering for cakes, and the restriction of the amount of sugar (50 per cent.) that a manufacturer may use during the year compared with the year 1915.

Mil tary Service Act.

Mil tary Service Act.

New forms have been provided for the registration by employers of (1) all male employes between the ages of eighteen and forty-one for the time being employed, and who have been so employed for one week crmore; (2) of the number of persons, of both sexes, not required to be recorded in statement No. 1; and (3) of the male persons between eighteen and forty-one employed for less than one week during the preceding month. The first and second statements are to be constantly posted up on the premises, and true copies are to be delivered to the recruiting officer for the district, followed by a monthly report of alterations and additions (see C. & D., January 13, p. 36). Table No. 1 provides for the following entries: (1) Name and initials; (2) present address (if registered under the National Registration Act, at that address, insert (R.) in column 2a); (3) insert M. if married or a widower with a dependent child; (3a) insert S. if unmarried or a widower without a dependent child: if unmarried or a widower without a dependent child; (4) age; (5) date of engagement by present employer; (6) what employed as; (7) if in possession of any document entitling him to exemption from military service, state nature of document. If attested insert (A.) in column 7a.

Photographic Lenses.

The Minister of Munitions orders that all persons having in their possession or under their control any photographic lens or lenses of the natures specified below shall, within seven days, send in to the Director of Optical and Glassware Munitions, 117 Piccadilly, London, W., returns containing the particulars as to (1) focal length, (2) maximum aperture, (3) name of maker, (4) designation given by maker, (5) number given by maker, (6) typo of diaphragm. The lenses referred to are: The lenses referred to are:

(a) Anastigmatic lenses having focal lengths of from 8 inches to 12 inches inclusive and an aperture of not less than F/4.5.
(b) Anastigmatic lenses having focal lengths of from 18 inches to 24 inches inclusive and an aperture of not less than F/6.
(c) Anastigmatic, symmetrical, and rapid rectilinear lenses having focal lengths of from 22 inches to 26 inches inclusive and an aperture of not less than F/11.
(d) Anastigmatic, symmetrical, and rapid rectilinear lenses having focal, lengths of from 30 inches to 72 inches inclusive and an aperture of not less than F/8.

Personalia.

Among the officers mentioned in Field-Marshal Sir Douglas Haig's recent despatch is Captain Thomas P. Noble, M.D., R.A.M.C., a son of Mr. A. Noble, chemist, Island Street, Galashiels.

COMPANY QUARTERMASTER-SERGEANT J. HARRIS, 2/2 West Riding Field Co., of the Royal Engineers has been men-tioned in despatches by Field-Marshal Sir Douglas Haig. Before the war he was an assistant in the Sheffield Union Dispensary.

SUB-LIEUTENANT W. ARBLASTER, R.N.V.R., who for gallantry in France has gained the Military Cross, is twenty-one years of age. He is the son of Mr. E. Arblaster, M.A., and grandson of the late C. J. Arblaster, chemist and druggist, New Street, Birmingham.

PRIVATE ALAN Webber. 20th Manchester Regiment, whose death we reported, had been eight months with the Forces, and cscaped injury until December 22, when he was wounded in the head, back, and arm by shrapnel. He was removed to a casualty clearing-station, where he suc-

SECOND-LIEUTENANT KENNETH NORMAN, The Queen's, second son of Mr. Valentine Norman, chemist and druggist, Godalming, who was severely wounded a short time ago, and is in Queen Victoria's Hospital at Highgate, has not been making the progress that could be wished, and another operation has been deemed necessary.

CAPTAIN H. GILLIAT, West Yorks Regiment, now attached to the Royal Engineers, has been mentioned in Despatches. He is the son of Mr. Arthur Gilliat, of Allerton Lodge, Moortown, Leeds. Captain Gilliat is twenty-eight, and was educated at Rugby, later being a chemical student at the Leeds University. He is, along with his father, a partner in the firm of E. G. Jephson & Co., chemical-merchants, Leeds.

Miscellaneous.

War Loan.—Among the subscriptions to the new Loan is one of 250,000l. from the United Alkali Co., Ltd., and J. G. Ingram & Son, Ltd., Hackney Wick, London, N., 10,000%.

10,000.

COCAINE SOLUTIONS.—The Home Secretary gives notice that the permission granted to persons bona fide engaged on July 28, 1916, in practising dentistry, but not registered under the Dentists Act, 1878, to purchase preparations containing not more than 1 per cent. of cocaine, for use solely as local anaesthetics in connection with dental work, has been extended to February 29. has been extended to February 28.

Gasworks Carbon.—The Minister of Munitions has issued orders that no person shall until further notice purchase or take delivery of any gasworks-retort carbon except under and in accordance with the terms of a permit issued under the authority of the Minister of Munitions, and, further, that no person shall until further notice sell, supply, or deliver any gasworks-retort carbon to any person other than the holder of such a permit. All applications for a permit in connection with the above order should be addressed to the Director of Materials (reference A.M.2.F.W.H.), Armament Buildings, Whitchall Place, London, S.W. London, S.W.

ENEMY PATENTS.-The Diarsone Co., Ltd., 243 College Enemy Patents.—The Diarsone Co., Ltd., 245 College Street, Toronto, are applying for the avoidance, suspension, or issue of licences to use the salvarsan patents 3,934/07, 13,485/10, 5,595/11, 7,865/12, and 8,219/12, belonging to the Curatorium der Georg und Franziska Speyerschen Studienstiftung and the Farbwerke vormals Meister, Lucius & Brüning. The hearing takes place on February 1.—S. Dreyfus and L. Gaisman, trading as the Hooley Hill Rubber and Chemical Co., Hooley Hill, near Manchester, are applying for the use of patents 11,530/13, 11,615/13. 12,777/13, and 12,661/14, dealing with the vulcanisation of

rubber, and owned by the Farbenfabriken vormals Friedrich Bayer & Co The hearing takes place on February 2.

SUPPLIES OF FERTILISERS.—The Food Controller announces that he has appointed a Committee to make such arrangements as may be necessary and expedient for the increase of supplies of fertilisers in the United Kingdom, and for of supplies of fertilisers in the United Kingdom, and for controlling, so far as may be necessary, their output and distribution. The following are the members of the Committee: Captain C. Bathurst, M.P. (Chairman); Mr. H. R. Campbell, B.Sc.; Sir James J. Dobbie, D.Sc., F.R.S.; Mr. R. R. Enfield; Captain R. B. Greig, M.C.; Mr. T. H. Middleton, C.B.; Mr. W. Anker Simmons; Professor W. Somerville, D.Sc.; Mr. G. J. Stanley, C.B., C.M.G.; Mr. R. J. Thompson; Professor T. B. Wood, M.A. Mr. H. Chambers will be Secretary to the Committee.

Military Tribunals' Decisions.

Alfreton.-An Ironville chemist, who received a

ALFRETON.—An Ironville chemist, who received a certificate of exemption six months ago, was told by the Tribunal that it had no jurisdiction as the man was exempted, and he could go home and "sleep the sleep of the just."

BERMONDSEY. — Mr. Robert Blackie, manufacturing chemist, Tower Bridge Road, London, S.E., was summoned to show cause why a certificate of conditional exemption granted to an assistant should not be withdrawn. After hearing the case the exemption was granted until March 1.

CANTERBURY.—Three months' exemption was granted to

Mr. A. C. W. L. Mitchell, chemist and druggist.

CHELMSFORD.—It was agreed not to call up O. T. Miller, assistant to Mr. J. T. Bellamy, Ph.C., until an efficient substitute can be found.

CHISLEHURST.—Exemption until March 1 was granted to Mr. A. A. Bone, chemist and druggist, manager of the Chislehurst West branch of Prebble & Bone, who are closing another branch so as to release an assistant for military

DARTFORD.—Conditional exemption was granted to Mr.

A. West, dispensing chemist,

EAST GRINSTEAD.—Exemption was granted to C. E. Dennis, assistant with H. S. Martin, Ltd., until he is called up to

assistant with H. S. Martin, Ltd., until ne is called up to serve as a dispenser.

Folkestone.—The appeal on behalf of J. Brookes, assistant with the Timothy White Co., Ltd., was dismissed.

Herne Bay.—The adjourned case of R. C. Waller, assistant with Mr. T. B. Cornforth, chemist and optician, again came before the Tribunal (see C. & D., December 16, p. 34). The substitute who was to have taken Mr. Waller's place had been retained by the War Office. The case was again adjourned to enable another man to be obtained.—The cases of Mr. H. Pyman, chemist and druggist, Mr. W. P. Cole, Ph.C., and Mr. C. Philip, chemist and druggist, were brought forward for review, and these chemists were told that they must see if any arrangements can be made for buying if any of them had to join up. It was pointed out that it is not so much a question of buying as the necessity that it is not so much a question of buying as the necessity of a qualified man being in charge of each shop.

Kingswinford.—Three months' exemption was granted to Mr. H. L. Myers, carrying on a chemist's business at

Leeps.—The appeal of the manufacturers of antiseptic bread, which is used as an ingredient in the manufacture of sausages, for the exemption of their manager and buyer was dismissed, but the man is not to be called up

of satisages, for the exemption of their manager and buyer was dismissed, but the man is not to be called up until January 31.

LINCOLN.—Six months' exemption was granted to a chemist's assistant who, his master stated, has a defect, although passed in Class A.

LONDON CITY.—Scott & Bowne, Ltd., Stonecutter Street, E.C., appealed for exemption for H. H. Jennery, who had previously had three months' exemption. He had since been rejected by the London National Guard, but had been passed for general service at the Holborn Recruiting Office. The appeal was disallowed.

READING.—One month's exemption was granted to B. C. Carr, sales manager with Mays & Mackay, Ltd., chemical-merchants,—The Military Representative reported that he had conferred with the Insurance Committee regarding the exemption of thirteen chemists' assistants. An agreement had been reached as to nine of these, but he claimed that the following should serve: R. W. Hall, with Mr. R. B. Burn; A. Sellick, with Mr. H. Dyson; H. S. Osborne, with Mr. G. B. Osborne; and J. Rose, with J. Powell & Son. It was agreed to release these when efficient substitutes can be provided. provided.

ROCHDALE.—Exemption until May 31 was granted to S. Ralph, with Waller & Riley, Ltd.—Exemption until March 31 was granted to G. Swarbrick, assistant with J. J.

Thomas & Son, chemists.

Thomas & Son, chemists.

SHEERNESS.—The case of Stanley Verrall, with Mr. J. E.
Hudson, Ph.C., was adjourned pending communication with
the military authorities.—Conditional exemption was
granted to T. Jewell, with the Timothy White Co., Ltd.

A Pharmacist at the Front.

III.

I WILL PASS OVER the intervening weeks, the Christmas festivities, the voyage, and the "rest," and come to early February, when we steamed up the wide, palm-fringed channel of an historical river, and landed on the accursed soil that the Apostle Paul knew well.

The magnificent river is broad, and sweeps in wide The magningent river is broad, and sweeps in whee curves through plantations of date-palm and exotic flowering trees. By day the stream is alive with native eraft, and the steamers and launches of the Force of occupation; and at night the air is vibrant with the croaking of innumerable frogs, while jackals howl in the deeps of the jungle. The nomads in this region lose no opportunity jungle. The nomads in this region lose no opportunity of selling eggs, fowls, and trinkets to the troops as they pass up-stream in the barges. I have even seen a live, full-grown sheep passed from an Arab to an Indian as the steamer grazed the bank at a curve in the river. Higher up the river one enters a region of arid steppes, where vegetation is either absent or exists only for a short time in the year—a naked, mud-coloured land, sun-scorched and shadeless. My sojourn in this region may be divided into two periods—the season of mud and the season of heat. Of the two the season of mud was preferable, because with the heat came dread disease, and plagues of flies and mosquitoes.

It almost invariably happened that a sudden and furious storm would break over the plains at the very time that my unit was preparing for a move. No sooner were the tents struck, leaving us shelterless, than the storm-wrack would mass on the horizon, lightning of exceptional brilliance would leap from cloud to cloud, and the rain would come down with incredible violence on the wings of a gale of wind. All night it would rain, as surely it had never done since Noah went navigating. The march would form itself into a nightmare. Dawn came, clear-skied and serene; the larks sang, the sun raised his cheerful face above the snow-capped hills, and soon we would be steaming like cart-horses in the genial heat, the discomforts of the night forgotten in the anticipation of breakfast. . . . And the flies!— I dare not risk my reputation for veracity by attempting to describe their numbers, their exuberant vitality, their enthusiastic participation in all one's meals, and their indifference to rebuffs from fly-whisks or the swatting of leathern thongs. Should one fancy porridge for breakfast, the flies would crowd upon the spoon, and even in the transit from basin to mouth it would become It almost invariably happened that a sudden and furious

oven in the transit from basin to mouth it would become black with clustered bodies. At smell of an open tin of jam they would become absolutely frantic; and hustle one another in their struggle to get a taste of the sweetmeat; while one's pannikin of tea was looked upon by those of morbid mind as a suitable medium for fclo-de-se. I tried a solution of formaldehyde in water as a death-dealing drink for the pests. It aeted only too well. The dispensary became a popular rendezvous for flies—there were flies dead and dying on the floor on the sides of the tent on the and dying on the floor, on the sides of the tent, on the table, on the bottles, and the beams of the scales; and in the bowl of solution itself they lay three or four deep. I think all the flies in the camp came to drink of that ambrosial liquid.

These flies appeared to be identical in every respect These files appeared to be identical in every respect with the ordinary English house-fly, except that about one in thirty was eapable of inflicting a sharp bite or sting. Particularly were they fond of biting (or stinging) through one's socks or stockings, and kept one on the hop until the donning of slacks or puttees put an end to their attacks. As the heat increased they suffered severely from thirst, erowding upon the water-chatties, and drowning themselves incontinently in any liquid that stood exposed. incontinently in any liquid that stood exposed.

The flies were the plague by day; when they had retired to roost, the night-shift of mosquitoes and sand-flies came to roost, the night-shift of mosquitoes and sand-flies eame on. All through the hours of darkness they pumped minute streams of aeid into unprotected parts of one's body, and the following day was spent in devising cooling lotions, and scratch, scratch, scratching. For a long time I was casting about for means to manufacture a pleasant effervescent drink. Sod. bicarb. we had in plenty, but vegetable acids were unobtainable. One day, in a parcel from home. came several bottles of water-sterilising tablets of aeid sodium sulphate, flavoured with lemon and saccharin. I made a concentrated solution of these tablets, added a few

sodium sulphate, flavoured with lemon and saccharin. I made a concentrated solution of these tablets, added a few drows to a solution of the bicarbonate—sparkle and fizz!

One morning I became aware that I was ill. Before night I was in a high fever. Things went from bad to worse, and at last I was marked down for evacuation and labelled "Q," and that is where I am now, doing well.

English and Welsh News.

The Editor would be obliged if subscribers would send him marked copies of newspapers containing items of interest for insertion in this or other news sections of the "C. & D."

Minimum Price-list.

Minimum Price-list.

Mr. G. A. Tocher, Secretary of the Price-list Committee of the London County Pharmaceutical Association, has issued the first of the minimum price-lists for the London district, which it is intended to issue monthly at 2d. each. The prices for dispensing and of proprietary articles and drugs are given in separate tables. The back page is taken up with the surplus-stock list, of which Mr. C. Breese, Hon. Secretary of the South-West London Pharmaeists' Association, has charge. tion, has charge.

Ministry of Commerce.

The London Chamber of Commerce has sent to the Prime The London Chamber of Commerce has sent to the Prime Minister a memorial signed by almost 700 leading London traders, in favour of the establishment of a Ministry of Commerce and Industry. The memorial points out that present and future trade conditions, having regard to the lessons taught by the war, demand that the interests of commerce and industry shall be directly represented in the Cabinet by a specially appointed Minister charged with the presention of such interests, and expresses the view that the promotion of such interests, and expresses the view that the functions of the Board of Trade as at present exercised, are so diverse as to preelude adequate attention being given to matters affecting the future commercial and industrial expansion of the country. Special stress is laid upon the necessity for the new Minister being a man of practical business experience, assisted by a permanent Committee composed of practical business men in various trades and industries, apart from representatives of Government Departments and of the Self-Governing Dominions. The memorial also outlines what, in the opinion of its signatories, the principal functions of the Ministry of Commerce and Industry should be.

Contracts Accepted.

The following have been accepted since we last reported: Birkenhead Board of Guardians.—Evans Sons Lescher &

Webb, Ltd., drugs.

Bridgenorth Guardians.—Smith & George, mustard, 1s. 6d. per lb.; pepper, 1s. 3d.; shell cocca. 5½d.; yellow soap, 33s. 6d. per cwt.; soda, 5s. 3d.; rice, 27s. Callant & Perkins, soap-powder, 19s. per cwt.; carbolic soap, 31s. 6d.; vinegar, 4½d. per quart. McDougall Bros., soft soap, 33s. 6d. per cwt.

Bridlington Borough Sanatorium.—Mr. P. Hawkins,

Bridlington Borough Sanatorium.-Mr. P. Hawkins,

appointed chemist for a year.

Derby Board of Guardians.—Davies, Sons & Co., drugs,

Hull Corporation.—T. J. Smith & Nephew, Ltd., for surgical dressings; Hay, Ltd., aerated waters for twelve months; R. B. Sawyer, drugs; H. Leggott, drugs for the Asylum Committee.

Oxford City Council.—Mr. F. Walklett. disinfectants.
South Stoneham Guardians.—Bates & Co., Southampton, medical requisites.

Birmingham.

Notices are sent round the city to important firms each day advising them what routes are open through which goods may be sent during the next twenty-four hours.

Sir T. Barelay, Ph.C., is the presiding Magistrate in Court 2 at the Victoria Police Courts on Fridays. He has often as his colleague Professor Frankland. Mr. Alfred Southall is also a J.P.

Sir Richard Cooper, Bart., M.P., who has a large estate at Shenstone, has offered willing people grass-land to culti-vate, and, in addition, to place pedigree pigs at the disposal of the local Committee for breeding-purposes.

The postal authorities recommend that correspondence for London intended to be delivered next morning should be posted not later than 5 p.m. in letter-boxes in the centre of the city, or 5.45 P.M. at the head office.

Among the names of successful local candidates in chemistry, physics, and biology at the examination of the Royal College of Physicians and Surgeons is that of Mr. C. H. White, chemist and druggist, Birmingham University

The demand for tuition in dispensing by ladies has become so great that several of the institutions are informing applicants that no vacancy will occur for many months to come, and their names are being taken to be called in rotation as vacancies occur.

Liverpool.

The Liverpool City Council has given a good lead by investing a million sterling of the municipal sinking-fund in the War Loan.

Notwithstanding the shortage of paper, the wholesale houses continue to issue their lists to the trade and to maintain the production of novelties in the designs and wording of the announcements. Few trades are so fully abreast of the times.

In token of the continuance of business during the first two hours of darkened windows, pharmacists are displaying in increasing numbers electrically illuminated cards or other steneilled notices, with the name of the pharmacist and tho word "Open." These notices in the eentre of the dull windows are very effective.

Reverting to a note on the metrie system last week (p. 36), the "insular prejudice against anything British" was meant simply to apply to the Legislature, which for so long declared metric weights and measures to be illegal. Pharmacists more generally than any other body have welcomed simplification and standardisation.

A movement is growing in favour of the extension of the size, number, and influence of civic universities, which should be more practical and scientific, if less academic. The cause of preventive medicine, as well as the needs of shipping and commerce, calls for this progress, and all branches of chemistry are among its advocates.

The C. & D. report of the address of Mr. T. E. Lescher (London) to the Liverpool C.A. has been reprinted for distribution to all connected with pharmacy. Mr. Lescher could claim association with Lancashire in that he received most of his education at Stonyhurst, an excellent foundation for the pharmaceutical training which followed.

The police, on January 17, raided five opium-dens in the Chinese quarter of the city and arrested thirty-three Chinamen. In the case of one of the houses, which was in a respectable district, the occupants escaped through a window to the roof, from which they throw their boots and other missiles at the police. The police brought ladders and fire-escapes, but the men managed to evade capture for two

Hanover Street has sent a letter to the Food Controller Hanover Street has sent a letter to the Food Controller this week, asking for consideration with regard to the sugar-supply, which is far from being adequate to the needs of the trade as to syrups and other items figuring large in pharmacy. The letter asks for a reasonable interpretation of the clause forbidding either the manufacture or the sale, wholesale or retail, after early dates, of chocolate and "other sweetmeats." Pharmacists sell peppermint, ginger, and various other lozenges, together with jujubes, which are usually bought at their shops for medicinal nurposes. cinal purposes.

Manchester.

The "Victory War Loan" has had many subscribers from the ranks of pharmaey. The busy time that pharmaeists have had during the past few months is no doubt responsible for this.

Now that the sale of glycerin is practically stopped and

Now that the sale of glycerin is practically stopped and customers are finding that they are unable to obtain their supplies, glycerin-substitutes, which up to now have not been at all popular, are beginning to be sold in most pharmacies. One of the largest firms has printed notices on the windows calling the attention of the public to "the excellent properties possessed by their glycerin-substitute."

Mr. A. L. Blain, Ph.C. (of Blain & Hankinson), who was officially connected with the Manehester Relief Committee in connection with Sailors and Soldiers, retired from that position when the work in which pharmacists were concerned was finished with—namely, the free dispensing of prescriptions for dependants of sailors and soldiers. The Committee, however, which is still doing good work, has requested Mr. Blain to continue in office, although not as representing the local Association.

Sheffield.

Sneffield.

The Wharneliffe War Hospital authorities have displaced Messrs. Alcock and Baker, eivil dispensers, by Service dispensers.

Mr. J. A. George, chemist and druggist, for many years in business at Fargate, has taken up a situation with the Apex Steelworks.

Local chemists are pleased at the honour conferred on Lieutenant J. R. Johnston (C. & D., January 13, p. 33), as besides his father's connection with the drug-trade he has blood ties with this district.

Several grants, recommended by the Guardians to dispensors who have taken on additional duties in their hospitals where these are partially occupied by wounded

soldiers, have been sanctioned by the Local Government Board. Smaller increases of salary have failed to obtain the sanction of the L.G.B.

The many friends of Mr. John Evans, F.I.C., Ph.C., the city analyst, will be glad to hear that his brother, Captain Evan Evans, R.A.M.C., has been awarded the Military Cross. Mr. Evans has four brothers in the Army—Major David Evans, R.F.A., Second-Lieutenant Albert Evans, R.F.A., Captains Evan and Garfield Evans, R.A.M.C. R.A.M.C.

Lieut. Colonel J. Mackinnon, R.A.M.C., the Secretary of the Panel Committee, will receive the congratulations of his many chemist friends on receiving the D.S.O. and two days later being mentioned in despatches. This is the second time he has been mentioned during his twenty months in France. At the same time the younger brother of the late Robert Watts, Ph.C., Lieut-Col. Brian Watts, has been given the D.S.O. Both doctors live at Pitsmoor (Sheffield). at Pitsmoor (Sheffield).

Miscellaneous.

FIRE.—A fire broke out on January 11 at "Croft's Pharmaey," Winter Hey Lane, Horwich, but it was quickly subdued by the brigade. The stock and premises are partly insured.

OPIUM REGULATION.—At Bow Street Police Court, London, on January 16, Camille Gravère, a Frenchwoman, was, under the Defence of the Realm Act, sentenced to fourteen days' imprisonment for being in possession of opium.

Preservatives in Cream.—"The Observer" states that

the Local Government Board is proposing to lower the amount of borie acid which may at present be used as a cream-preservative. It is now 0.05 per cent., and it is suggested that 0.04 per cent, is sufficient to preserve the cream for a reasonable length of time.

BRITISH TRADE-MARK.—Mr. E. T. Nind, on January 18, at the dinner of the Sales Managers' Association at the Holborn Restaurant, London, W.C., advocated the adoption of a national trade-mark for use on goods made in this country, as part of the policy to prevent in the future the "peaceful penetration" of Germany.

Venereal Diseases.—A deputation of municipal authorities is to wait on Lord Rhondda, President of the Local Government Board on January 24, to urge, among other things, that the treatment of venereal diseases by unqualified persons and the sale of quack remedies should be prohibited. The British Medical Association is to be represented on the deputation. The Royal College of Surgeons recently endorsed the view that only medical practitioners should treat venereal disease should treat venereal disease.

COMMERCIAL TRAVELLERS' FARES.—At the last meeting of the Council of the London Chamber of Commerce, Mr. Lionel A. Martin presiding, action was reported by certain Trade Sections with the object of placing before the authorities the views and difficulties of traders in connection with the revised regulations as to commercial travellers' fares and luggage. A vote of thanks was passed to Lord Southwark (ex-President of the Chamber) for his services in the House of Lords in regard to the Registration of Business Names Act.

BEITISH TUNGSTEN ORES.—Some specimens of the important tungston ores, wolframite and scheelite, have just been received at the Imperial Institute from the Federated Malay States, and can be seen at the Malay Court of the Echibition Galleries. As is now well known, the most important use of tungsten is in the manufacture of highspeed steel, and it is also used as wire in the manufacture of metallic filaments for electric lamps. Wolframite, commonly called wolfram, which forms the bulk of the tungsten ore produced, occurs in various parts of the main mountain range in British Malaya, and in Pehang and Trengganu. Scheelite is mined in Perak and Selangor.

Poisonings.—During the week the following cases of poisoning have been reported: At Lambeth a chemist's assistant, named Thomas Markwell Todd, poisoned himself with veronal from disappointment at the failure of a machine which he thought had solved the problem of permachine which he thought had solved the problem of perpetual motion. At Chelsea a doctor's wife, named McFarlane, eommitted suicido with prussie acid while suffering from depression. A Bethnal Green man, named Ball, took potassium cyanide, with fatal results, during temporary insanity. A death from trinitrotoluol was investigated at an inquest by the City of London Coroner; the jury found that the death was due to misadventure. Arsenical weed-killer was the lethal agent used by a Caterham gardener, named Bowey. An analyst, who found a large quantity of arsenic in the stomach of deceased, stated that the weed-killer should, according to the regulations, be coloured. be coloured.

Irish News.

Mr. James Glendenning, Ph.C., was, at the meeting of the Derry Board of Guardians, on January 13, unanimously appointed compounder of medicines in the room of the late Mr. Rainey.

When Private Robert Quigg, Royal Irish Rifles, arrived in Ballymena last week, after receiving the V.C. from the King, he was welcomed on behalf of the town by Mr. Huston Lancashire, Ph.C., as Chairman of the Urban Council.

The Committee of the Central Irish Chemists' Assistants' Association met on January 16 at their rooms, 38 Upper Sackville Street, Dublin, and arranged to receive on January 21 a deputation from the branches at Cork, Limerick, and Waterford.

Mr. William O'Connor Hunt, Ph.C., of Dr. Leonard's Medical Hall, Dublin, has passed the Final examination of the Royal College of Physicians and Surgeons in Ireland. Dr. Hunt, who qualified with honours, intends to practise in Dublin.

Mr. S. Fleming, Ph.C., 81 Duncairn Gardens, Belfast, has received news of the death from wounds of his brother, who was serving with the New Zealand Infantry. Sympathetic reference to the loss was made by Mr. M. McDonald, Ph.C., at the gathering of the 'North Irish Pharmacists' Association on January 10.

At the annual meeting of the North and West of Ireland Commercial Travellers' Association in Belfast on January 13, Mr. Samuel McCullough was elected President. Mr. McCullough, who is a well-known business man in the Northern Province, was born in Glenavy, and served his apprenticeship with Thomas McMullan & Co., wholesale druggists, Victoria Street. He is now their senior country traveller. traveller.

Scottish News.

Brevities.

Claims against the lato G. L. Cruickshank, dispensing chemist, Rothienorman, are to be ledged with the representatives of the deceased, The Pharmacy, Rothienorman; claims against the late Andrew Lawson, dispensing chemist and druggist, 65 Perth Road, Dundee, with Hendry & Sons, solicitors, 39 Murraygate, Dundee; and claims against the late John Andrew, chemist and druggist, Cumnock, with Thomas Andrew, solicitor, Ayr.

Dundee.

The police are complaining about the drinking of methylated spirit which is going on in the city, and would like to know if anything can be done to stop it. The matter was down for discussion at the meeting of the local Association on January 18.

Mr. Jno. Hodge, Westport, who has had two attacks of influenza, the last accompanied with erysipelas in the neighbourhood of one eye, had an awkward accident the other day. The cotton dressings round his head took fire other day. The cotton dressings round his head took fire by coming in contact with a taper, and his face was rathor severely burned.

The sugar shortage has been aggravated in Dundee as a result of an old-established wholesale firm of sugar-merchants (McGrady & Christie) having recently given up business. No extra allowance has been made to the other wholesale firms in the city on this score, so that customers of the late firm are short indeed.

A dispensing chemist, in an interview with a representative of the "Courier," welcomed the new Sugar (Confectionery) Order, but pointed out that it was not from a selfish standpoint that he did so, but solely in the interests of the public. As a matter of fact, he has had practically to beg for a supply of sugar in order to make medicinal syrup for prescriptions. He considers that chemists should be guaranteed supplies in order that they may be able to attend to the wants of the sick. to attend to the wants of the sick.

Edinburgh and District.

Chemists should beware of customers who are "trying on" by telling a chemist that his neighbour is still selling glycerin.

It is reported that a local chemist will shortly open in one of the main thoroughfares a large shop devoted en-tirely to the sale of fancy goods.

Boots, Ltd., are advertising at a reduced rental the premises in South Clerk Street formerly held by Gibson & Co., "in consequence of transferring the business eight doors below."

Influenza has been rife, especially among young children, and many cases have developed into pneumonia. Doctors have never been busier, and pharmacies in general are working at high pressure.

The new Order regarding the sale and manufacture of expensive confections will affect those who deal in chewing-gums and cachous. One wonders, however, what will happen in the cases of marshmallow pastilles and gela-tin lozenges, which are still asked for occasionally.

Chip boxes are becoming very scarce, some of the more popular sizes being locally unobtainable. A doctor, who had considerable experience of club work in his younger days, recollects that ointments were often "dispensed" in cups, and if the patient supplied no container he was occasionally sent away with a dab of salve on a piece of

The staff of the Unemployment Section of the National Insurance Act remaining in Scotland is to be housed at 44 Drumsheugh Gardens, Edinburgh. The other officials of the Department are going to London. The Corn Ex-44 Drumsheugh Gardens, Edinburgh. The other officials of the Department are going to London. The Corn Exchange in Grassmarket, which they will vacate, is to be used by the National Health Insurance Commission, and premises at present occupied in Grosvenor Street, George Street, and Buckingham Terrace will be vacated.

The annual report by Dr. J. F. Tocher, chemist to the Highland and Agricultural Society, generally contains some items interesting to chemists. The report deals this time with the analysis of potato fertilisers and bean-meal—he suggests that the term bean-meal is too indefinite. Dealing

with the analysis of potato fertilisers and bean-meal—he suggests that the term bean-meal is too indefinite. Dealing with the suggestion that medicinal plants could be grown in Scotland, Dr. Tocher states that Scotland is not a particularly genial soil for the growth of the more powerful medicinal plants. Two samples, however, of colchicum, or meadow saffron, a valuable medicinal plant, were found to contain, in the seed, a higher proportion than the average of the active principle of the plant. Colchicum grows in moist meadows, and is common in certain parts of England, where the stem and seeds are both collected. grows in moist meadows, and is common in certain parts of England, where the stem and seeds are both collected. The general cultivation, however, of meadow saffron is impracticable. Samples of foxglove or digitalis were also examined. The growing of medicinal plants is a special branch of farming which requires considerable skill and knowledge of plant-life, and is not to be recommended in the absence of special facilities and a suitable training.

Glasgow.

Laidlaws, Ltd., have contributed two guineas towards the local War Comforts Fund. Tho "Herald" states that methylated spirit and "finish"

aro being used as a substitute for whisky. It is added that the most conscientious dealer in methylated spirit is sometimes bluffed into selling to persons who misuse the

A general dealer, named John Aitken, was sentenced to six months' imprisonment, in the Sheriff's Court on Janu-ary 10, for the larceny of two bags of nitrate of soda, the property of the Government. A carter who was implicated received a sentence of forty days' imprisonment.

Eight horses belonging to an undertaker in Paisley have died through poisoning with arsenic. The animals became Ill, and all died within a fow hours. A post-mortem examination has shown the presence of arsenic in one of the animals, and the mash in the boiler contained 14.52 grains of white arsenic per lb. The police have the matter in hard in hand.

At Glasgow on January 12 a Chinaman was fined 50%, for having 332 lb. of opium, valued at 300%, on his premises in Broomielaw. It was discovered carefully bricked up in a disused cellar. The opium was forfeited, and the Sheriff remarked that he supposed it would be available for use by the Army. Five other Chinamen who were arrested by the police when a raid was made were liberated.

Perth.

A Perth publican, a farmer, and a veterinary surgeon were each fined 10s. for selling or receiving whisky contrary to the Defence of the Realm Act regulations. The veterinary surgeon was told he was not entitled to issue orders for the supply of whisky on the plea that the spirit was wanted for the treatment of a cow.

Professor H. G. Greenish, of the School of Pharmacy of the Pharmaceutieal Society, lectured at Perth on January 4, before the local branch of the National Herb-growing Association, on the possibilities of herb-growing in Perthshire. He advocated the establishment of a research or State experimental station controlled by a drug expert, acting in conjunction with a pharmaceutical expert, the aim of which should be the elucidation of problems constant with the sublivation of medicinal plants. nected with the cultivation of medicinal plants.

Legal Reports.

Debenture-holder's Action.—In the Chancery Division on January 16, the action of the holder of all the debentures issued by A. Sergeant & Co., Ltd., chemists, Wimbledon Park, Palmer's Green, and Finchley, came before Mr. Justice Sargant in the form of a motion for judgment, the company having put in no defence. The holder, Mr. E. T. Manley, desired to obtain payment, and his Lordship entered judgment for him, and directed au account to be taken of what was due to him.

Cream-of-Tartar Substitute.—For selling, in place of cream of tartar, a substance labelled "French cream, substitute for cream of tartar," Joseph Mitchell, of 50 Pellon Lane, Halifax, was charged at the Halifax Police Court January 9. The defendant's wife supplied the article, and it was shown that it consisted of 85 per cent. of acid phosphate of lime and calcium and 5 per cent. of starch, and did not contain cream-of-tartar properties. Mitchell was fined 2l., with 10s. 6d. costs.

Sessions on January 11, the adjourned case came on against Mr. J. J. Bolger, Ph.C., for selling 10 oz. of tincture of nux vomica not of the quality demanded (see C. & D., December 23, 1916, p. 37). Mr. Duggan, who represented defendant, pointed out that the object of the law was to prevent fraud and adulteration. It had been proved, however, that the drug supplied, which was made up according to the British Pharmacopæia 1898, is more expensive than that prepared according to the 1914 Pharmacopæia. The Chairman said the Magistrates had decided to dismiss the case, but they thought the inspector was quite right in bringing it forward. Another charge against Mr. Bolger of selling defective lime-water was also dismissed.

missed.

Cream of Tartar.—At Bournemouth on January 11, the United Yeast Co., Ltd., Bournemouth, were summoned for selling adulterated cream of tartar. According to the analysis the sample contained an excess of lead—fifty parts of lead per million—whereas the extreme limit should not be more than twenty parts per million. The inspector said that on November 17 he called at 297 Holdenhurst Road and saw Mrs. Florence Keeling, the manageress, and asked her for 4 oz. of cream of tartar, with which he was supplied. He had complied with all the formalities of the Food and Drugs Act. He received the certificate produced from the public analyst. Mr. Lawman, for the defence, said he had been instructed to ask the Magistrates to send the third part to the Commissioners for Inland Revenue (Customs and Excise) for the purpose of being analysed. It had been analysed by defendant's analyst, and had come out under the prescribed quantity. The Town Clerk offered no objection, and the Bench concurred.

Prohibited Exports.—At the Thames Police Court on January 16, Stockwell & Co., Ltd., shipping agents, Finsbury Street, London, E.C., were fined 40s., and 2l. 2s. costs, for exporting two cases of surgical instruments. The goods were dentists' instruments, and defendants acted as agents only.—In the Edinburgh Court of Session on January 16, Lord Cullen was informed of the settlement of an action by the Lord Advocate against Carl Hagdarth Pedersen, 50 Wellington Street, Glasgow, for 7,341l, as penalties for the shipment of goods by the defendant to Christiania in July, August, and September, 1915, without, as was alleged, having received a declaration as to the ultimate destination of the goods exported. The goods in question were 267 casks of borax in five shipments and 400 bags quillaia-bark in one shipment. The defendant pleaded that the exports were made in entire bond fides. He believed that all the goods were consumed in Norway. If any part of them reached an enemy country it did so without his consent or connivance, and without his knowledge. His net profit on the whole transaction was, he said, only 400l. The case had been settled upon the terms that the defendant withdrew his pleas and consented to decree for 1,000l. and expenses.

Contract Prices.—In the City of London Court on January 16, before Judge Rentoul, K.C., Mrs. Wimborne. trading as the Wimborne Chamois Leather and Glove Manufacturing Co., 138 London Wall, E.C., sued Alexander & John Shaw, Ltd., leather-manufacturers, Earls Fields Works, Grantham, for 114. 16s. 7d., damages for breach of contract. Plaintiff's husband and manager said that on November 5, 1915, he sent the defendants an order for 120 gross of toilet-leathers at old prices. They said they would accept the order if he ordered 120 gross at the

advanced prices. To that he agreed, and the defendants had delivered some of the goods under the joint contract. They then refused to deliver any more, and the plaintiff had had to buy the goods elsewhere at increased prices. The loss of profit was the sum now claimed. Mr. Coltman, defendants' counsel, said there was no contract for the 120 gross at the new prices. Plaintiff had 40 gross, and when she was offered another 20 gross she would not take them. Defendants therefore regarded the contract as at an end. Defendants had earlier sent plaintiff a pro forma invoice for 20 gross, which she ignored. That was the defendants' ground for repudiating the contract. Plaintiff had kept the contract hanging about for eight or nme months, and thought that a reasonable time within which to fulfil the contract by calling for the goods. Judge Rentoul feared plaintiff had not proved her case. It is always difficult to establish loss of profits under a contract such as the plaintiff was relying on. He would adjourn the case so that the plaintiff's manager could consider the position, and he thought it would be wiser for him not to bring it on again, but pay the defendants' costs of the action.

Unstamped Medicines.—At Ashton-under-Lyne Borough Police Court on January 15, John William Ardern, chemist and druggist, George Street, was summoned at the instance of the Inland Revenue authorities in respect to six offences under the Medicine Stamp Acts, the medicines including "Tic and Neuralgia Mixture," "Simple Cough Cure for Children," "Universal Balsamic Cough Elixir," "Bronchitis Mixture," "Whooping Cough Mixture," and "Japanol," a pain-easer. A revenue official purchased for 6d. a bottle labelled "Whooping Cough Mixture," prepared by J. W. Ardern, for 1s. 3d. a bottle of tic and neuralgia mixture, and the other articles were purchased by other officers. The bronchitis-mixture was labelled "For shortness of breath, loss of voice, spitting of blood, etc." None of the articles had the stamp affixed. Mr. Ardern admitted three of the medicines were liable, and said he always stamped the others. There were a good many in stock, and none of them was stamped. The only stamps he had in the shop, said Mr. Walker, were four—one 5d., three 1½d., and one used 3d. stamp. The prosecution thought it was a deliberate case of fraud, and pointed out to the Magistrates that if only one of each of the bottles was sold a day the duty would be about 30%. a year. There was no question that the medicines were liable to duty. Mr. Ardern had a licence to sell patent medicines, and on the back of the licence it clearly set forth which medicines were liable and the rates of duty. Mr. Watson, for the defence, pleaded guilty. With regard to three of the mixtures, Mr. Ardern was aware that they required an Excise stamp to be put on them, and it had been his habit to put the stamps on the bottles before they were sold. They were only made up in very small quantitics. Most of the packets seen in the shop were "dummies," the bottles sold being made up from a large bottle, and the stamp affixed as they were sold. Mr. Ardern did not consider the other three medicines sold were liable to duty. They were simply cough-bottles, and he did not

Bottle-making Machinery.—In the Chancery Division, on January 16, Mr. Justice Sargant delivered judgment in an action by the British Association of Glass-bottle Manufacturers, Ltd., Leeds, against Fester & Son, Ltd., St. Helens, for a declaration to set aside an order made by the Board of Trade suspending in favour of the defendants the exercise of the British rights, vested in an international company registered at Dusseldorf, Germany, of the Owens European Bottle Machine Co., of Toledo, U.S.A. (see C. & D., December 23, 1916, p. 37). His Lordship said that the machines made under the patents were so efficient that it was thought that they would not only displace previous machines, but might easily cause an over-supply of glass bottles. The European rights were acquired by an international company registered in Germany for twelve million marks, and that company granted licences to associations of manufacturers in Great Britain, Germany, Denmark,

Holland, Sweden, and Austria-Hungary to work the patent upon taking up shares in the company. The agreement with the British Association, which was dated November 16, 1907, provided for a restriction of output, and for machines to be supplied to the firms who were members of the Association, the royalty which these members were to pay being 3d, per gross bottles. At the outbreak of war the German company were unable to earry out their obligations, and in May 1915, upon the defendants' application, the Board of Trade granted to them (the defendants) a licence to work the Owens patents in Great Britain for the period of their unexpired terms. The plaintiffs, in seeking to have that licence set aside, contended that the Board had no jurisdiction to act as they did, because the Germans could not be held to be exclusively entitled to the Owens patents, the Owens Co. being interested in the British rights as partly-paid vendors. On the other hand, the defendants said that the Germans were substantially entitled to the benefit of the patents, and that, having regard to the position at the outbreak of war, the case came within the war emergency legislation, and that the plaintiffs had no right to sue. His Lordship held that the defendants were right on both points. Under the circumstances, therefore, the grant of such a declaration as was asked for would result in an enemy corporation, by a side-wind through subsidiaries, being entitled to relicf in the English courts. The war, in his opinion, had rendered the agreement between the plaintiffs and the German company void, and he dismissed the action, with costs.

New Companies and Company News.

P.C. means Private Company and R.O. Registered Office.

SHIELDS & RAMSAY, LTD. (P.C.).—Capital 30,0001. Objects: To take over the business of Shields & Ramsay, ehemical and coal merchants and exporters, Glasgow.

G. E. HOUGHTON, LTD. (P.C.).—Capital 3,0001. Objects: To carry on the business of photographers, art dealers, opticians, picture framers, manufacturers of and dealers in artists' materials and photographic requisites, etc., and to take over and amalgamate the two businesses carried on at Margate by G. E. Houghton and F. Macfadyen.

SIR W. A. ROSE & Co., LTD. (P.C.).—Capital 36 0001. Objects: To take over the business of lead, zinc, oil, paint, varyigh, and millows recommendations.

SIR W. A. Rose & Co., Ltd. (P.C.).—Capital 36 000/.
Objects: To take over the business of lead, zinc, oil, paint,
varnish, and railway grease manufacturers, etc., carried
on at 66 Upper Thames Street, E.C., and at Millwall, as
"Sir W. A. Rose & Co." The first directors are M. Rose,
E. C. Brown, and T. W. Moore. R.O., 66 Upper Thames
Street, London, E.C.

THAMES CHEMICAL Co., LTD. (P.C.).—Capital 5,000/.
Objects: To carry on chemical research, discovery, and invention, to manufacture and deal in synthetic and other chemical substances, etc. The subscribers are E. II. Williams, 58 Fenchurch Street, E.C., and A. R. Chamberlayne, 45 Parliament Street, S.W. Solicitors: Chamberlayne, Hacking & Co., 45 Parliament Street, London, S.W.

BUTLER BROS., foreign and Colonial merchants and shippers, have converted, their business into a private company, under the title Butlers (London), Ltd., at St. John's House, 124-127 Minories, E.C.

PARKE'S DRUG STORES, LTD.—The directors recommend a final dividend of 4 per eent., less income-tax, be paid on ordinary shares, making, with the interim dividend already paid, 7 per cent., less income-tax, for the year. The annual meeting is on January 30.

NATIONAL DRUG Co., LTD.—Referring to the official notice of the appointment of a receiver of this company (C. & D., January 6, p. 40), we are asked to state that this does not refer to the National Drug Co., wholesale druggists, Bristol, which is a branch of Edward J. Nation & Co., Ltd.

Bankruptcy Report.

Re Robert Spencer Jessop. 2 West Bromwich Road, Walsall, Druggist.—The following are creditors: Evans Sons Lescher & Webb, Ltd., Liverpool, 17l.; Southall Brost & Barclay, Birmingham, 35l.; Adshead & Co., Belper, 6l.; Cuxson, Gerrard & Co., Ltd., Oldbury, 6l.; John Durant, Ltd., Bristol, 5l.; Erasmic Co., Warrington, 6l.; National Drug Co., Bristol, 3l.; Edward Woolf, Birmingham, 3l.

Births.

ATTERBURY.—At 43 Britannia Road North, Southsea, on January 11, the wife of W. R. Atterbury, pharmacist, Somers Road (Secretary Portsmouth Pharmacists' Association), of a son.

CARTLEDGE.—At Ashby-de-la-Zouche, on January 9, the wife of P. C. Cartledge, Ph.C., Parkstone, Dorset, of a son.

Waterhouse.—At 187 St. Ann's Road, South Tottenham, London, N., on January 8, the wife of Harry Waterhouse, ehemist and druggist, of a son.

Marriages.

ASTBURY—GIBSON.—At St. Peter's Collegiate Church, Wolverhampton, on January 15, by the Rev. Canon Astbury, father of the bridegroom, assisted by the Rev. Prebendary Penny, Rector of Wolverhampton, the Rev. Harold Stanley Astbury, M.C., Chaplain to the Forces, youngest son of Canon and Mrs. Astbury, of Smethwick, to Ida Gladys, youngest daughter of Mr. F. J. Gibson, J.P., and Mrs. Gibson, of Wolverhampton.

HOPKINS—SMITH.—On January 4, at St. Matthew's Church, Camscross (Glos.), Lieutenant J. R. Hopkins, the Royal Scots and Royal Flying Corps, to Winifred Irene Smith, chemist and druggist, daughter of Mr. F. J. Smith, The Cedars, Ebley.

Welch-Guthrie.—At Singapore, on January 8, James Edward, second son of Mr. A. W. Welch 68 Clarence Drive, Hyndland, to Helen Park. elder daughter of Mr. Thos. Guthrie, pharmacist, 21 Hayburn Crescent, Glasgow.

Deaths.

HILLEN.—At 1 Nelson Terrace, Southend-on-Sea, on January 7, Mr. John Hillen, chemist and druggist, aged seventy. He was apprenticed to Waite & Kite. Cheltenham, and passed the Modified examination in 1870. After serving for some time as assistant to Savory & Moore, New Bond Street, London, he went into business on his own account at Forest Hill, where he remained for eighteen years. He migrated to Southend-on-Sea seventeen years ago, purchasing the business of Mr. Morgan at 1 Nelson Terrace, and in this business he was actively engaged until two days before his death. He leaves a widow, a daughter, and two sons, both of whom are serving their country, the elder as staff-sergeant musketry instructor, and the younger as a photographer in the Royal Flying Corps.

HUMPHREYS.—At Selly Oak, Birmingham, on December 30, Mr. Matthew Henry Humphreys, chemist and druggist, aged seventy-seven.

KENNING.—Recently, at Ashton-on-Ribble (Lancs), Mr. Wm. Henry Kenning, chemist and druggist aged twenty-four. Mr. Kenning served his apprenticeship at Scunthorpe with Mr. Joseph Fletcher, and on the outbreak of war he joined the Royal Army Medical Cerps, from which he was eventually discharged as medically unfit. He afterwards managed the pharmacy at Ashton-on-Ribble.

MILLER.—At Church Green, Harpenden, on January 12, suddenly, Dr. N. H. J. Miller, F.I.C., F.C.S., of the Rothamsted Experimental Station.

PALMER.—At Halsdon House, Torrington (Devon), on January 7, Mr. John Mair Palmer, chemist and druggist, aged seventy-nine. Mr. Palmer was formerly a member of the firm of Martin & Palmer, Plymouth, but for the past year he had been engaged in the business of Mrs. Griffiths, Fore Street, Torrington.

Scott.—At Station Road, Gosforth, Newcastle-on-Tyne, on January 13, after a short illness, Mr. John Scott, chemist and druggist, aged thirty-four. Mr. Scott commenced business at Gosforth about eight years ago. He was very popular in the district, and took a deep interest in the South Gosforth fund for providing comforts for the wounded soldiers and sailors, of which he was Secretary. Mr. Scott is survived by a widow and three children.

Wilson.—At 34 All Saints' Street, Hull, on December 21, Mr. Franklin Wilson, chemist and druggist, aged seventy-seven.

Personalities.

Mr. Thomas Morison Maben, Ph.C., F.C.S., manager of Maynard & Co., Ltd., Singapore, has been elected a director of the company.

Mr. A. Norman White, chemist and druggist, has been appointed a director of Wm. White & Son, Ltd., 61 Sunbridge Road, Bradford.

Mr. Andrew Gaddes, pharmacist, Walkerville, Newcastle-on-Tyne, has been installed W.M. of the Tyne (Masonic) Lodge, No. 991, Wallsend-on-Tyne.

Alderman C. J. Wain, Ph.C., Red Lion Square, New-castle-under-Lyme, has been appointed Director of Cere-monies of the Sutherland Unity Lodge of Freemasons.

Mr. S. D. Downer, who was for many years with a firm of City merchants, has joined the board of directors of Butlers (London), Ltd., foreign and colonial merchants and shippers, 124-127 Minories, London, E.C.

AT THE ANNUAL MEETING of Blackburn Chamber of Trade on January 15, Mr. C. A. Critchley, Ph.C., of King William Street (Vice-President of the North-East Lancashire Chemists' Association), was elected to the Committee.

MR. ERNEST J. J. CRESSWELL, of Cresswell Bros., spongemerchants, Red Lion Square, W.C., contributed to "The Star" of January 11 an interesting article on how the French Government breaks the news to the parents or relatives of those who have fallen.

MR. RUDOLF DEMUTH, 68 Salusbury Road, N.W., has been laid up for the past fortnight with a very severe attack of influenza, and in consequence his business has been somewhat suspended during his enforced absence, but orders

will be expedited as promptly as possible.

Mr. P. F. Wilton, one of the town representatives of C. J. Hewlett & Son, Ltd., has been elected unanimously a member of the Islington Borough Council. Mr. Wilton has been a member of the Islington Board of Guardians for several years, and Chairman of the Finance and General Purposes Committee for the last three years.

Mr. E. A. Fry, chemist and druggist, manager of Boots, MR. E. A. FRY, enemist and druggist, manager of Boots, Ltd., Leicester, has accepted a position on the Leicester Board of Guardians. Mr. Fry has resided in Leicester for eleven years, having previously been general manager for Day's Southern Drug Co. He is both widely known and highly respected in the Midland town, where his genial disposition is appreciated as much as his sterling business

TSCHIRCH, of Berne, has been invited Professor Dr. A. Tschtreh, of Berne, has been invited by the Johns Hopkins University in Baltimore to deliver the Dohmes Lectures. The "Ztschr. d. Allg. Oester. Ap. Ver." remarks that this is the first time that this University has bestowed this honour upon a scientist "of German origin." It further adds that it supposes the scientist in question will wait until peace is made before delivering lectures about the results of German science and researches on behalf of a people that provides the Entente with munitions.

Mr. Valentine Norman chemist and druggist, Godalming, met with a somewhat scrious cyclo accident on Sunday morning, January 7, near Hindhead, being knocked down by a heavy military motor-waggon. He was taken to the detention hospital at the camp, and after attention by two R.A.M.C. doetors, was conveyed to his home at Leighton Dene, being subsequently removed to his none at Leigh-pital at Guildford to be radiographed, afterwards returning home again. It was found that a bone in the lower part of the right leg had been broken, while the other leg had been badly crushed. He is making fair progress, but it is feared it will be some weeks before he is about again.

MR. C. S. TAYLOR, a director and the general manager MR. C. S. TAYLOR, a director and the general manager of W. J. Bush & Co. Ltd., manufacturing chemists, Ash Grove, Hackney, London, N.E., who has been connected with the business for over forty-six years, retired at the end of 1916 on account of ill-health. In connection with Mr. Taylor's retirement he was presented by the directors with a silver tea-service, in an oak case, suitably inscribed. Mr. James Bush and Mr. Alfred Bush made the presentation, James Bush and Mr. Alfred Bush made the presentation, the ceremony taking place in the offices of the company, and both referred in terms of warm appreciation to the services of Mr. Taylor. Mr. Taylor suitably replied, and regretted that his health would not allow him to accept an invitation to dine with his fellow-workers. Mr. Slater then on behalf of the older members of the subsections with the names of the subsections upon it. a silver salver, with the names of the subscribers upon it. In reply, Mr. Taylor mentioned that Mr. Ferdinand Bush is succeeding him as managing director.

Wills.

MR. JOHN ASHWORTH, Dumers Lane, Radcliffe, retired manufacturing chemist, who died on July 15, left estate of the gross value of 41,1844. 8s. 1d., of which 27,251 5s. 7d.

is net personalty.

Mr. Robert Mackay Sutherland, Solsgirth, Dollar, KinMr. Robert Mackay Sutherland, of James Ross & Co., ross, and Wallside, Falkirk, principal of James Ross & Co. Limewharf Chemical Works, Falkirk, and Philipstoun Oil Works, Linlithgow, who died on August 24, left estate of the value of 409,8661, 1s, 9d., exclusive of real property. The interest of the deeeased in James Ross & Co. is entered at

Mr. William Hairsine, 81 Yale Court, Honeybourne Road, West Hampstead, late of Wardour Street, Soho, W., chemist and druggist, who died on December 30, left estate valued at 3,183t. 10s. 11d. gross, with not personalty 3,11th. 8s. 10d. Probate of his will has been granted to Mr. Herbert Seaton Hairsine, 39 Buckingham Mansions, West End Lane, Hampstead, retired chemist, and Mr. Amaziah Hairsine, Warwick House, Eastrington, Brough, Yorks, farmer, the brothers.

For the purpose of probate, the estate is sworn at 1,000,000% of Sir Joseph Beecham, Bart. of St. Heiens and Hampstead, who died on October 23. Probate of the will dated September 28 last has been granted to his son, Henry Beecham, Forest Hill, Sandiway, patent-medicine manufacturer; F. D. Woolley, 170 Withington Road, Chorlton-eum-Hardy, physician; and C. F. Boston, 2 Leeds Street, Liverpool, leather importer, sons-in-law, and his business manager, Charles Rowed, Eccleston Park, Prescot. Having recently transferred to his son Henry all the assets of the trade and business of a patent and proprietary medicine manufacturer and vendor, earried on at Taaffo Place, Brooklyn, U.S.A., he stated it was his intention also to transfer to his son all the land, factories, workshops, and other buildings in Taaffe Place and Classon Avenue, Brook dated September 28 last has been granted to his son, Henry other buildings in Taaffe Place and Classon Avenue, Brooklyn. The goodwill, trade, and business of a patent-medicine manufacturer carried on at St. Helens, and the assets, lands, factories, and buildings, secret formulas and recipes, manufacturer earried on at St. Helens, and the assets, lands, factories, and buildings, seeret formulas and recipes, trade-marks, stock-in-trade, and money in the bank heleaves to the trustees in trust to form a private limited company with a capital of 50,0001. in 11. shares, out of which he gave to each of his sons, Sir Thomas Beecham and Henry Beecham, 460 shares out of every 1,000 issued, 20 shares each to his daughters, Josephine Boston, Edith Woolley, and Amy Christine Beecham out of each 1,000; five each to Chas. Rowed and William Moss, three each to Edward Glover and Charles Taylor Scrimgeour, and two each to Edward Bamford and Austin Scott. The shares given to the last-named six persons to be conditionally on their being in his employ at the time of his death. The testator gives 19 0001. to follow the trusts of a settlement of 1,0001., and he directs the executors to fulfil his covenant to pay to his wife 2,5001. a year. To his daughter Elsio Olive Ellis he gives an annuity of 5001.; to his brother William Beecham an annuity of 5001.; to his nephew Edward B. Pemberton an annuity of 1001.; to Eleanor Bellamy an annuity of 521.; the premises known as Ewanville, with the furniture, pietures, plate, etc., to his son Henry; 1001. to his coachman Thomas Oldham; a sum equal to the salary or wages for the year preceding his death to each male and female in his employment at Huyton, St. Helens, or Hampstead, who have been in his employment at Huyton, St. Helens, or Hampstead, who have been in his employment at Huyton, St. Helens, or Hampstead, who have been in his employ met at the case hand a sum equal to the salary or wages for the year preceding his death to each male and female in his employment at Huyton, St. Helens, or Hampstead, who have been in his employ met at the case hand a sum equal to the salary or wages for the year preceding his death to each male and female in his employment at Huyton, St. Helens, or Hampstead, who have been in the more of the salary or wages for the year preceding his death to male and female in his employment at Huyton, St. Helens, or Hampstead, who have been in his employ not less than ten years. The residuary estate is to be divided into four parts, one of which is to be held in trust for each of his daughters Josephino Boston, Edith Woolley, Jessie Delphine, and Amy Christine Beecham.

Information Department.

INFORMATION WANTED,

Postal or telephone information with respect to makers or first-hand suppliers of the undermentioned articles will be appreciated. 184/74. El. Cambia perfumery 186/42. Russell's Hat Cleaner. vegetable-oil. 182/50. "Renshaw" spray. 182/50. "Gripwell" feeding. 183/39. Red Moselle Grapevegetable-oil. 182/50. "Gripwell" feeding-Juice

Mr. W. H. Veno (the Veno Drug Co., Ltd.), Manchester, has been admitted to the freedom and livery of the City of London through the Feltmakers' Company. Mr. Venowas born in Scotland, but has lived in England for twenty-five years, for the past twenty years in Manchester. It was Mr. Veno who commissioned Mr. W. Wollen. R.I., topaint the well-known pieture "The Canadians at Ypres."

Observations and Reflections.

By Xrayser II.

The Late-dispensing Fee

is a subject on which there seems to be a good deal of difference of opinion. In one town 3d. per prescription in addition to the ordinary fee is thought sufficient, in another a minimum fee of 1s. is demanded. If we are to make any effective stand for better terms we must come to some common agreement on such points as this; we shall never be listened to while our views are so divergent. The contention of some doctors that these emergency-fees are paid by them, since they come out of the floating sixpence, is a patent absurdity. If this sixpence is already theirs, in what sense is it "floating"?

Slovenliness

is one of the most insidious of vices; once indulged in it spreads insensibly from one department of our activities to another until it has infected them all. This is why I have always insisted on the necessity of using the same care and finish in our N.H.I. work as in our ordinary dispensing. It is also the greatest argument against stock mixtures and other similar devices for saving trouble, whether in dispensing or prescribing; and I am not surprised to find that with the adoption of these by panel doctors a general "rot" in their method of prescribing seems to have set in. It was virtually certain to be so; facilis descensus, and, after all, many of them are but reverting to the methods of club practice and private prescribing. There was some ground for hope that publicity would induce a more careful style, and for a time it did so, but—well, a friend tells me I am too fond of biblical allusions, and I will not instance the sow that was washed. I hope pharmacists will not follow a bad example, but will maintain the old standard of finish in all their work, however unworthy of such honour many "prescriptions" may be.

Mr. T. E. Lescher's Address

on things pharmaceutical as viewed by a wholesaler (reported in your issue of January 6) was as epigrammatic in style as it was sound in substance. It was "double-shotted with thought" on many subjects, only the most important of which can be dealt with here. I refer to the list of the functions of the wholesale druggist's laboratory, which marks the advance that has within living memory taken place in the wholesaler's conception of his duties, or what I might call the evolution of the wholesale pharmacist. It is not without significance that the pharmaceutical element has always been emphasised in the titles most coveted in the retail trade from the inception of the Society, while the wholesaler has been content, until a comparatively recent period, with the style of druggist merely; and I fancy it would be true to say that sixty or seventy years ago the greatest services to pharmacy proper were rendered by the retail branch of the trade. Certain it is, as Mr. Lescher said, that most of the highest work formerly done by the retailer has now been transferred, along with its responsibilities, to the other branch.

"The Specialisation of Industry,"

said Mr. Lescher, "is the penalty that has to be paid for the increasing demands of science." We retailers have to pay that penalty; the importance of our work as pure pharmacists must necessarily decrease in proportion to the transference of the higher pharmacy to the wholesale house. Even that degree of research which is involved in the functions of the pharmaceutical laboratory, as outlined by the lecturer, cannot be adequately undertaken on the scale which is alone possible to the retailer, much less research in the wider sense. Both in training and opportunity, to say nothing of the equally necessary capital, the wholesaler has here all the advantages the retailer lacks, and if we are to hold our own in competition with our foreign rivals.

it is to him that we must look. He has not in the past done all that he ought in this direction; the commercial benefits which, as Mr. Lescher ironically said, "original research occasionally produces" have not been a sufficient reinforcement of his more altruistic motives; but he is at last alive to his opportunities, and our future is evidently in his hands. This does not mean that we retailers may cease to be pharmacists. In a degree the "primary functions" of the laboratory are ours too; we may gradually cease to be in any important sense pharmaceutical producers, but we must always be intelligent and instructed critics of pharmaceutical products.

The Shortage of Sugar

for pharmaceutical purposes from which we are suffering should be to some extent relieved by the restrictions imposed on the confectionery and sweets trades. We ourselves are affected more or less adversely by these restrictions, but the medicinal uses of sugar are of the first importance, and we must not grumble if those are secured. Sweets are to a great extent luxuries, and though sugar has a value as tood, expensive sweets are the most wasteful form in which it can be used as such. Our necessity ought to be very strongly represented to the Food Controller, who, as I have reason to know, is glad of any information and open to suggestions. The subject was before the Council last week, and it is to be hoped that no time will be lost in preliminary "approaches" and "arrangements."

The Proposal to Teach Micro-biology

dents and post-graduates is highly commendable, and I hope that a really practical scheme will be evolved out of the report that was submitted last week. The introduction of new blood into the Council is rapidly justifying itself, and Mr. Skinner, who has long urged something along this line, is to be congratulated on seeing his work so near fruition. It seems to me, however, that a fee of six guineas for ten weeks' work is fairly stiff. Considering that there is no guarantee that the certificate earned will receive recognition in the eyes of public authorities, it appears doubtful whether a sufficient number of the students will be found who are abla and willing to spend the time and money after taking their Minor or Major diploma. I have an idea that an arrangement could be made with King's College or some other teaching laboratory under which tuition could be had by recognised experts without any initial expense for apparatus. The example set by Glasgow points the way which London might follow. There is no reason why in several of the technical schools in London such teaching should not be organised by the Society.

" Consumption "

is a very loose and inaccurate name for a specific disease, and even when restricted, as virtually it now is, to pulmonary consumption, it cannot be regarded as scientifically satisfactory. Formerly four species of consumption were recognised by the faculty, which in Salmon's "Practice of Physic" (1707), a translation, with additions, of Sydenham's Processus Integri, are thus described: The first is that "which is called in Latin, Atrophia and Consumptio; in English, a Consumption, Pining, or Wasting of the whole Body; which is without any ulceration of the Lungs." The second is "called in Latin also, Phthisis, and Ulceratio vel Ulcus Pulmonis, an Ulcer of the Lungs; by reason of which the whole Body wasts also and consumes." The third "is called in Latin, Hectica, also Hectica Febris, and Tabes, Morbus Liquescens, an Hectick or melting Consumption, which by a continual preter-natural heat, melts away, as it were, and so consumes the whole Body." The fourth, Consumptio Symptomatica, is "that which proceeds from some other Disease, being a consequence thereof." If one may judge from the variation in the diagnosis one has known to be made by different doctors in particular cases, and the varying results of the treatment prescribed, this last kind still forms a large percentage of the cases treated under the general name of consumption. I have slightly condensed Salmon.

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PHARMACEUTICAL FORMULAS. (9th Ed.) 10/-, by Post 10/6. ART OF DISPENSING. (9th Ed.) 596 pages. 6/-, by Post 6/5. CHEMISTS' DICTIONARY OF SYNONYMS. 2/6, by Post 2/9.

THE CHEMIST AND DRUGGIST, 42 CANNON ST., E.C.

Index Folio 52

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Editorial Articles.

Controlling Glassworks Output.

WE printed last week (p. 33) the Order made by the Minister of Munitions regarding the manufacture and purchase of chemical and medical glassware. Some inquiries have reached us regarding the Order, so that it seems desirable to indicate generally the scope of the new regulation. The Order is issued with the twofold object of ensuring priority to Government orders for certain kinds of glassware and preventing the employment of labour in glass-making for other than present needs. No glass-manufacturer can accept any order for glass coming within the scope of the Order unless the purpose for which the glass is required has been approved. If the glass is required for a contract with the Admiralty, War Office, or Ministry of Munitions, all that is necessary is for the person ordering to quote the reference number on the contract. No certification by the Director of Optical and Glassware Munitions is required. Many chemists, however, deal direct with glass-makers, and in case of all orders placed after January 10 a certificate authorising the supply is required by the glass-maker before he can execute the order. The procedure which must be adopted is to send the order in duplicate to the Director of Optical and Glassware Munitions, 117 Piccadilly, London, W., with a covering letter setting out the purpose for which the glass is required. If approved, one copy of the order will be forwarded direct to the manufacturer duly certified, and the second copy will be retained for filingpurposes. At the same time advice will be sent to the persons ordering the goods, indicating the action taken in respect of the orders. Manufacturers are required to send returns from time to time to the Director of Optical and Glassware Munitions of their output of chemical and medical glass. The importation of these goods is also to be controlled; the dealer who proposes to obtain glassware from abroad must first receive a permit, which constitutes his authority for importing the ware into this country. When the glassware is in this country no further permits to sell or buy are needed.

The definition of chemical and medical glass which is given in the Order is as follows:

"For the purpose of this Order chemical and medical glass shall include resistance, chemical, and bacteriological glassware, carboys, thermometers, glass for miners' safety flame lamps, glass for x-ray apparatus, hospital glassware, and glass vessels (graduated or otherwise) manufactured for the purpose of containing reagents, drugs, medicines, pharmaceutical or biological substances or preparations; and glass tubing and rod shall include all glass tubing and glass rod made by the process of drawing."

This is sufficiently inclusive, but nevertheless some uncertainty exists as to the scope of the definition. So far as these have been brought to our notice, we have obtained the views of the Department concerned. The chief points elucidated are that bottles for containing disinfectants are included, and that the Order does not include bottles for toilet-preparations.

The Family of Hanbury.

WHEN Charlotte Hanbury was married in 1806 to William Allen, the well-known philanthropist and pharmaceutical Allen, the well-known philanthropist and phalmaceutical chemist of Plough Court, Lombard Street, London, the Hanbury family was first brought into touch with pharmacy. The family is an old one, the Worcestershire parish of Hanbury being its home, and in Anglo-Saxon times the parish was Heanbyrig, the High Borough. A history of the family, prepared by the late Miss A. Aubrey Locke beginning the problemed by the Arthur I. Hymphery and the Arthur I. Hymphery and the problemed by the Arthur I. Hymphery an Locke, has just been published by Arthur L. Humphreys in two sumptuous quarto volumes. The family was founded late in the twelfth century, a Roger de Hanbury being credited as the founder, and the family continued until the fifteenth century, when the Hanburys of Han-bury and the Hanburys of Beanhall in Feckenham parish were the dominant sections of it. From the latter sprang the Hanburys of Kilmarsh in Northamptonshire. There were other sections. From the family have come two notable peerages, those of Lord Bateman (Bateman-Han-bury) and Lord Sudeley (Hanbury-Tracy). The former is from the Kilmarsh branch of the family, while the latter is from the Pontypool section that commenced in the seventeenth century by Capel Hanbury, son of John Hanbury of Gloucester, and Capel's descendant, John Hanbury (iv.), was the father of Charles Hanbury, who assumed the name and arms of Tracy in 1798, immediately after his marriage to his cousin, the Hou. Henrietta Susanna Tracy. From 1832 to 1837 he was member of Parliament for Tewkesbury, and in 1838 was elevated to the peerage as Baron Sudeley. From John Hanbury of Pontypool was also descended Sir Charles Hanbury-Williams, to whom a chapter in the first volume is devoted. Sir Charles was the fourth son of Major John Hanbury of Pontypool, and lived from 1709 to 1759. He was a courtier, poet, and wit before he became in 1749 Envoy Extraordinary to Berlin. This he did not like, but he met Voltaire in the Prussian Court, and that was a connection that his learning and natural wit enabled him to take full advantage of. Sir Charles's reflections on Prussia and the Prussians show that a century and a half has changed them little, for under certain conditions they revert to the characteristics of the Hun, and Sir Charles demonstrates this to the full. Our purpose at the present writing is, however, to refer to "the Hanburys of London, of Clapham and Plough Court, of La Mortola," to whom the sixteenth chapter of the book is devoted. They are descended from Capel Hanbury, the second son of Richard Hanbury of Panteg, who was born on Sentember 22, 1678. He left, Welsen, who was born on September 22, 1678. He left Wales and settled in Bristol, where he became a soap-merchant, married, and had two children—Capel Hanbury and Elizabeth Hanbury; the latter married Mark Beaufoy, F.R.S., F.L.S., of Bushy Heath, a name with which pharmacists are acquainted in another connection. Capel Hanbury came to London, and was in business in Mark Lane as a Virginia merchant. His oldest son, John Hanbury, was a brewer, and married Elizabeth Bell, daughter of Daniel Bell, Stamford Hill. It was John Hanbury's youngest sister, Charlotte, who became the second wife of William Allen, and their daughter Mary became the wife of her cousin Cornelius Hanbury, brother of Daniel Bell Hanbury, both of whom became partners with William Allen. These two Hanburys were sons of Capel Hanbury, brother of John Hanbury, their mother being Charlotte Susannah Bell, fifth daughter of Daniel Bell, Stamford Hill. Daniel Bell Hanbury was an early Treasurer of the Pharmaceutical Society. He had four sons—Daniel, Sampson, Thomas, and Capel. Daniel became the distinguished

pharmacognosist, and two pages are devoted to him in this book, while the Hanburys of La Mortola, including Sir Thomas Hanbury, founder of this branch, are also dealt with. Sir Thomas was a tea-merchant in Shanghai, and on his death was succeeded by his eldest son, Cecil Hanbury. The seventeenth chapter of the book is devoted to "The Hanburys of Plough Court and Stoke Newington, Little Berkhampstead, and Brockhurst, East Grinstead." We start, therefore, with Daniel Bell Hanbury's brother and partner, Cornelius, who married William Allen's only daughter by his first wife, and they had one son, William Allen Hanbury, at whose birth she died. Cornelius Hanbury's second wife was Elizabeth Sanderson, that remarkable lady who was a friend of Elizabeth Fry, and who lived 108 years and 144 days. The son was Cornelius Hanbury, M.R.C.S., L.S.A., F.C.S., F.I.C., who, in 1870, became the sole proprietor of the Allen & Hanburys business. His eldest and only surviving son, Frederick Janson Hanbury, F.L.S., F.E.S. (his mother was Sarah Jane Janson), became a partner with him, and under them the business has enjoyed its great development and extension. Mr. F. J. Hanbury married on October 20, 1874, Mary Mr. F. J. Hanbury married on October 20, 1874, Mary J. S. King of Upper Clapton, and they have three sons and three daughters, two of the sons—Reginald Janson Hanbury, M.R.C.S., L.R.C.P., and Frederick Capel Hanbury—being associated with him in the conduct of the business. The sketch of Mr. Hanbury's career printed in the book is accompanied by a reproduction of that presented to him by the Allen & Hanburys staff on the bicentenary of the business, and two pages of views in his grounds at Brockburst. grounds at Brockhurst.

Index to Volume LXXXVIII.

As stated in previous issues, we shall supply the Title-page and Index for the volume of The Chemist and Druggist for 1916 to all subscribers who write to us for it. We suggest that they should ask for this by postcard addressed to The Chemist and Druggist, 42 Cannon Street, London, E.C.

Treatment of Venereal Diseases by Chemists.

We referred recently (C. & D. December 30, 1916, page 55) to the literature issued by the Local Government Board to local authorities in which occurred an ambiguity in the wording of one of the circulars regarding the treatment of venereal diseases by chemists and druggists. The Local Government Board now write (427-T. 1917) as follows:

"I am directed by the Local Government Board to advert to your letter of the 29th ultimo relative to the treatment of venereal diseases, and in reply I am to state that the statements in paragraph II. of Form V⁶ (instructions to patients suffering from syphilis) and in paragraph II. of Form V⁷ (instructions to patients suffering from gonorrhea) are not intended to refer only to the treatment of the respective diseases by druggists advertising so-called cases [? cures]. In this connection I am to refer to paragraphs 188 et sequitur of the Final Report of the Royal Commission on Venereal Diseases (Cd. 8,189)."

The eight paragraphs of the Report of the Royal Commission on Venereal Diseases to which reference is made are in regard to the treatment of venereal diseases by unqualified persons. The last paragraph ends:

"We should have advocated legal provisions making the treatment of venereal diseases by unqualified persons a penal offence, but we recognise the practical difficulties in securing the effective operation of such law in prosent circumstances. The prohibition of advertisements is open to much less objection on this ground, and we believe that it would go far to remedy the great evils which have been emphasised by the evidence given before us."

NATURAL DYES IN THE PHILIPPINES.—In view of the many inquiries as to the possible position of the Philippine Islands as producers of vegetable dyestuffs, following the shortage in dye-supply, the Bureau of Science of the Islands has prepared a review of the subject, which, however, declares that in view of the increased manufacture of synthetic dyestuffs in the United States, the lack of available raw materials, and the large amount of capital required to start the industry, the conditions in the Philippines are believed unfavourable to the development of the natural dyestuffs industry there.

Pharmaceutical Society of Ireland.

Council-meeting.

THE COUNCIL met on January 9 at 67 Lower Mount Street, Dublin, Mr. James Tate (Fresident) in the chair. There were also present: Mr. G. D. Beggs (Hon. Treasurer), Dr. J. A. Walsh, Dr. A. J. Barnes, Messrs. Thomas Batt, J. E. Connor, J.P., John Smith, A. Owen Wells, W. F. Wells, and P. N. White, J.P.

THE PRESIDENT'S GREETING.

The PRESIDENT'S GREETING.

The PRESIDENT said: On this, our first meeting of the New Year, permit me to wish you one and all a very happy and prosperous year. The year that has passed has been one of great trial to our nation. It has east a shadow in many homes. Our Council has felt that shadow in some respects, if not in all. I am pleased, however, to know that our members have passed through it in health and strength, and, I might say, with increased vitality. Considering the trials that all have endured we have great reason to thank God for His mercies to us: and we trust that the year God for His mercies to us; and we trust that the year that we have entered upon will be one brilliant with the light of God's Countenance, cheered by our optimism by which we hope to be able to infect others, and that, before it is ended, peace shall once again reign among the troubled

DEATHS.

The President then spoke in sympathetic and eulogistic terms of the late Mr. J. I. Bernard, describing him as "a gentleman honoured and respected by every member of the Council, one who was an ornament to his profession and who excelled in many ways beyond the ordinary pharmacist"; and a vote of condolence with the widow and relatives was carried in silence, the members standing.

The Registrar submitted a certificate of the death of Mr. David William Elliott. Ph.C.: and the Council directed

David William Elliott, Ph.C.; and the Council directed that his name should be crased from the Register, the President adding an appreciation of the private and public work of Mr. Elliott, who was personally known to him.

PRELIMINARY REGISTRATION.

The following, who submitted certificates from other bodies, were admitted to Preliminary registration: Misses N. E. McBride and M. M. Murray; Messrs. P. Coghlan, W. W. Jones, H. S. Murray, and J. J. Pollock.

REPORTS.

Reports from the Law Committee, the Certificates Committee, the Declarations Committee, the House Committee, and the School Committee were considered and adopted.

ELECTIONS AND NOMINATIONS.

On the motion of Mr. Beggs, seconded by Mr. J. E. Connor, J.P., the following were elected to membership: Mr. R. L. Chambers, Ph.C., 45 Market Square, Lisburn, and Mr. M. J. Cullen, Ph.C., c/o The Sligo Drug Co., Ltd., Stephen Street, Sligo.

On the motion of Mr. John Smith, seconded by Mr. Beggs, the following were remineted for membership: Mr. Louis

the following were nominated for membership: Mr. Louis Henry Parkes, Ph.C., 50 South Circular Road, Dublin; Mr. David McGahie, Ph.C., Johnston's Pharmacy, 9 Ranelagh, co. Dublin; Mr. Charles Sweeney, Ph.C., Holywood, co. Down; and Mr. Joseph Walsh, Ph.C., Medical Hall, Dunmore, co. Galway.

Examinations.

The following are the results of the recent examinations: Registered Druggist.—The following have passed: James Arnold, Cookstown; Frederick Lewis Long, Belfast; William Power, Castletownbere, co. Cork. Four candidates

Pharmaceutical Licence.-The following have passed with honours: Norah Eleanor Brown, Dublin; James Meban, Broughshane, co. Antrim; Frank Loughman, Carrick-on-Suir; Edward Montague, Dublin; Sheila Forde, Castlerea; Suir; Edward Montague, Dublin; Sheila Forde, Castlerea; Cornclius Crowley, Scartaglen, co. Kerry. The following also passed: Bridget Frances Mechan Leitrim; James McCaughey, Dublin; Philip Brady, Oldcastle, co. Meath; Patrick Joseph O'Grady, Cork; Patrick Stanislaus Flynn, Newry. Eleven candidates were rejected.

Pharmaceutical Assistant.—The following have passed: William Charles Speares, Rathdrum; Joseph Murray Burke, Dublin; Richard Deane Clarke, Cork; William Moir, Birmingham, Waterford; John Cooney, Qucenstown. One candidate was rejected.

Society of Chemical Industry.

A MEETING of the London Section of the Society of Chemical Industry was held in Burlington House on January 15, Mr. Arthur R. Ling in the chair. Previous to the reading of the papers the Secretary (Mr. T. D. Morson) reported that the Committee appointed to consider the question of the proposed chemists' social club are proceeding with their inquiries. The constitution of the club, and whether it would consider the graph of the club, and whether it would consider the graph of the club, and whether it would consider the graph of the club, and whether it would consider the graph of the club, and whether it would consider the graph of the club, and whether the club is the club of the club. their inquiries. The constitution of the club, and whether it would consist of members engaged in chemical industry, but outside the Society, or should be confined to members of the London Section, are questions not yet settled, but the Committee hope to report at an early date. The decision not to have an official reporter at the meetings came up on the reading of the minutes, and Mr. W. F. Reid spoke strongly against what he characterised as a retrograde step. There is no necessity for the economy, as they have thousands of pounds invested, and he felt very strongly that they ought to have their own official report. strongly that they ought to have their own official reports. (Applause.) The Chairman said that the Committee had been unanimous in their decision, but it had been left to him to arrange for the attendance of a reporter on special occasions. He would report to the Committee the feeling of the meeting on the subject.

BENZOL EXTRACTION.

Dr. R. Lessing read the first communication, "A New Method of Extracting Vaporous Constituents from Coalgas," He said that hitherto most of the benzol and toluol have been recovered from coal-gas by passing the gas through scrubbers and oil, and then by the distillation of the benzolated oils. Among the oils used for this purpose are create oils green oil various shalls and particular. of the benzolated oils. Among the oils used for this purpose are creosote oils, green oil, various shale and petroleum oils, and also coal-tar. The coal-tar process has been largely employed because of its convenience and simplicity, as fresh coal-tar can be produced every day. His proposal is to make use of dry material in the scrubber, the idea being based on the information obtained from the analysis of spent oxide, which is known to absorb some volatile constituents from the gas. Spent oxide is, however, unsuitstituents from the gas. Spent oxide is, however, unsuitable, and the same applies to pitch on account of the lowering of its viscosity and blocking up the scrubber. He had therefore resorted to a porous material, such as broken bricks, etc., charged with pitch and coal-tar. He fills the scrubber with this and the gas is passed through at about 5 feet per minute. Steam is then passed through and the distillate condensed in the usual way, repeating the process time after time with the same materials. He showed as scrubber in actual working, and the flame of a scrubber-gas was compared with that of the untreated gas, the latter showing a bright light, while the former was almost non-luminous. Experiments are now being carried on under the Ministry of Munitions on a large scale to determine the suitability of the new method.

The CONSTITUTION OF COAL.

THE CONSTITUTION OF COAL.

Coal is defined as being composed of the débris of plants cemented with a humic or ulmic material, as to the nature of which little has been discovered. Having referred to the different methods of classification and the work of various authors as to coal-solvents, he said the best solvent is pyridine, which dissolves about 40 per cent. Of this extract some 30 to 40 per cent. of its weight is again soluble in chloroform, so they could obtain three constituents in coal: (1) Residue insoluble in pyridine; (2) extract soluble in pyridine but insoluble in chloroform; (3) extract soluble in chloroform or benzine. The first two portions are much alike in appearance, and they represent the cellulosic content of coal, while the chloroform-soluble extract represents the resinic compounds. There is no free carbon in coal, he added. Dr. Marie C. Stopes followed with an interesting paper on coal structure, which was illustrated by numerous lantern-slides. Palæobotany, she stated, is still in a stage of benighted ignorance about coal. Her definition was that coal consists of a stratified mass of mummified (not fossil) plants in various stages of decay. If the plant débris be mixed with granite or other siliceous material a shale or sandstone might be formed, but not coal. The Chairman intimated that he hoped to induce Dr. Wheeler and Dr. Stopes to write monographs for permanent use of the members. A discussion followed. Coal is defined as being composed of the débris of plants

CHEMIST'S CALENDAR.—Mr. Major Hill, dispensing chemist, 109 Norfolk Street, Wisbech, has brought out his almanac and price-list for 1917, which follows the usual style—it is the twenty-seventh issue. Mr. Hill calls the attention of his customers to the altered prices and increases in medicine stamp-duty. The charges for sending medicines by post stamp-duty. The char have also been revised.

Trade Notes.

Box Boards,—Mr. C. Peto Bennett, 24:28 Lombard Street, London, E.C., and 10 Dale Street, Liverpool, offers boards for wooden boxes as used in the chemical and drug

KOLYNOS is now made in England. Kolynos Incorporated, 43 and 44 Shoe Lane, London, E.C., also refer in their advertisement to a new liquid form of Kolynos which they

are supplying.

"BUSINESS BY POST."—This is the title of a brightly written booklet by F. A. Degen, F.I.S.A.C., 14 Scarsdale Villas, Kensington, London, W., for which chemists are

winds, Kensington, London, W., for which chemists are invited to apply.

Mr. Henry Hildesley, colour printer, 124 Shacklewell, Lane, London, N.E., has issued a wall-calendar containing a picture of a mascot of the "fums up" variety. The inscription is "Good Luck." The monthly tear-off calendar

scription is "Good Luck." The monthly tear-off calendar occupies the lower part.

W. H. Hobbs & Co., Ltd., Trinity Place, London, E.C., have been appointed sole agents in the United Kingdom for the sale of the Spanish essential oils (spike, thyme, rosemary, sage, pennyroyal, and geranium) manufactured by the Sociedad Anonima Monegal, Bareelona.

Drug-List.—The new list of the Alliance Drug and Chemical Co., 34 Leadenhall Street, London, E.C., is now ready. Since it was printed the increase in the price of spirit has necessitated advances in the rates of preparations containing spirit. These are duly noted on a slip attached containing spirit. These are duly noted on a slip attached to the list.

to the list.

CANADIAN ASPIRIN.—Mr. Frank I. Hibbert, 17 Colonial House, Tooley Street, London, S.E., is agent for the acetylsalicylic acid manufactured by the Chemical Products of Canada, Ltd., Toronto. The quality is the highest, the m.p. being 135°. Mr. Hibbert also supplies phenacetin and p-amidophenol hydrochloride, which are much in demand. Antiseptic Baby-powder.—John Timpson & Co., Ltd., 104 Golden Lane, London, E.C., insert a warning against imitations of Johnson & Johnson's antiseptic baby-powder, the package of which is being imitated. The J. & J. antiseptic baby-powder has been before the trado for a quarter of a century, and bears a distinctive trade-mark econsisting a century, and bears a distinctive trade-mark consisting

of a century, and bears a distinctive trade-mark consisting of four links within a circle.

Bacterot.—Menley & James, Ltd., manufacturing chemists, 39 Farringdon Road, London, E.C., have acquired the sole selling agency of the bacterol products. These are a series of antiseptics and germicides covering the whole field, the types being (1) medical, (2) general, (3) vaponising, (4) æriform, and (5) vetcrinary. Menley & James, Ltd., invite inquiries for price-list and literature regarding bacterol.

ANTI-BHEUMATIC BALM.—Ayrton, Saunders & Co., Ltd., manufacturing chemists, 34 Hanover Street, Liverpool, have introduced a new line known as Anti-rheumatic Balm, of which we have received a sample, together with the showcards sent out with it. The balm is packed in collapsible tubes and eardboard outers. Each half-dozen cartons are placed in a counter show-box. The prevailing colours being read and groun the practages extract attention. The short red and green, the packages attract attention. The show-cards have the distinctive feature of red arrow points directing the eye to the title of the preparation. The Anti-rheumatie Balm sells at 7½d.

Trade-marks Applied for.

The figures in parentheses refer to the classes in which the marks are grouped, for a list of which, with particulars as to registration, see "The Chemist and Druggist Diary," 1917, p. 220.

(From "The Trade-marks Journal," January 10, 1917.) "Gastine"; for chemical tablets for improving petrol, etc.
(1). By S. Richardson, 37 Hatton Garden, E.C.

**T4,127.

"FABRA" on seal device (seal device disclaimed); for chemicals (1 and 3). By the Fabra Co., Ltd., 46 Vicar Lane, Bradford. 374,894/5. (Associated.)

"ARMOUR BRAND" under pictures of knight in armour on horseback and on foot; also picture of mounted knight only; for chemicals (1). By Griffiths Bros. & Co., London, Ltd., 29 Macks Road, Bermondsey, S.E. 375,725/6/882. (Associated.)

"Monoid"; for chemicals (1). By White Band Manufacturing Co., 121 Selsdon Road, South Croydon. 375,551. (Associated.)

"LANZONE"; for medicinal chemicals (3) and for perfumery, etc. (48). By London Pharmaceutical Refiners, Ltd., Endwell Road, Brockley, S.E. 375,891/2.

Associations' Winter Session.

Birmingham .- The Pharmaceutical Association met at the Imperial Hotel on January 10, Mr. H. Buckingham (President) in the chair, when Mr. O. T. Elliott, Ph.C., F.R.M.S., read a paper on Germ Diseases and Immunity. Cocci, bacilli, and spirillæ ho described as a simple classification capable of great extension, and he traced their fication capable of great extension, and he traced their responsibility for diseases in mankind and animals, giving as examples diphtheria, tetanus, typhoid fever, consumption, and blood-poisoning. Dealing with diphtheria and tetanus or lockjaw specifically, he described in each case how the anti-toxin was produced, elaborated Ehrlich's explanation of the action of anti-toxin sera, and, in proof of the practicability of this theory, referred to Wasserman's interesting series of experiments with an old tetanus toxin. He went on to explain that some disease germs do not cause disease by means of exotoxins, as illustrated in diph-He went on to explain that some disease germs do not cause disease by means of exotoxins, as illustrated in diphtheria and tetanus, but by the liberation of toxins from the decomposition of the body of the bacteria, as in typhoid fever, cholera, and consumption. If the living germs caused an increased production of the natural defences of the body, could the dead organisms, if injected, produce similar results? In certain diseases, yes—for example, in the preventive inoculation against typhoid fever; for it had been experimentally proved that the injection of the dead bacilli developed properties in the blood similar to those produced by an attack of the fever, from a second attack of which an individual rare y suffers. After describing the cultivation an individual rare y suiters. After describing the cultivation of bacteria for inoculation or vaccination, the lecturer concluded by saying: "Unfortunately the mention of the word vaccine or vaccination produced in the mind of a large number of people a feeling of horror and fright which could only be overcome when the scientific principles involved were understood. The science of bacteriology had made rapid strides during recent years, and its practical made rapid strides during recent years, and its practical application was now devoid of the dangers that possibly dogged the footsteps of the earlier workers." The lecture application was now devoid of the dangers that possibly dogged the footsteps of the earlier workers." The lecture was illustrated by figures and photographs. A vote of thanks to Mr. Elliott was proposed by the President, seconded by Mr. A. W. Southall, and carried with acclamation.—At a meeting of the Council he'd on January 15, the President is the shall it was decided to form. President in the chair, it was decided to form a Sub-Committee to represent pharmacy on the Birmingham and District Professions and General Trades Fund for the entertainment of wounded soldiers and sailors. A preliminary subscription list was opened, and a circular soliciting further subscriptions will shortly be issued. Two new members and one associate were elected.—The Chemists' Volunteer Field one associate were elected.—The Chemists' Volunteer Field Ambulance was inaugurated at a well-attended meeting held at the Midland Institute on January 9, and the project was taken up with so much enthusiasm that drills began next day at the Thorpe Street Drill Hall. The meeting was presided over by Mr. Wilfred Hill, who explained that membership will be open to pharmacists and their assistants, dispensers, chemists, and laboratory assistants. The object of the Corps will be to train members in drill and other duties which will make it preficient for attach and other duties which will make it proficient for attachment as a complete R.A.M.C. unit to the Warwickshire Command. Arrangements have been made for drills and necessary lectures. In addition, Mr. Elliott, Ph.C., F.R.M.S., has promised to deliver a course of lectures on "Bacteriology." Drills and lectures will take place on "Batteriology." Drills and lectures will take place on Wednesday afternoons at Thorpe Street Drill Hall at 3-4, 4-5; Thursday evenings at Bristol Street Council School. 8.30-9.15, 9.15-10; Saturday afternoons, 3-4, 4-5; Sunday mornings, 10.30-11.30, 11.30-12.30. Members will attend those which are most convenient to themselves, but it has been desided that an attendance of 50 members but "Bacteriology. it has been decided that an attendance at 50 per cent, of the lectures and drills shall be compulsory. Since a voluntary R.A.M.C. unit is being formed, and as no provision is made for it by the Government, funds must be provided hade for it by the Government, fonds must be provided by the members. It has been decided that each member shall pay a subscription of 2s, per month (juniors 1s.). Subscriptions from honorary members will be welcomed. Lieutenant-Colonel J. T. J. Morrison also gave an address explanatory of field ambulance work. Mr. Harold Rayne, 23 Bath Row, has been appointed Quartermaster and Acting Adjutant of the Corps, while Mr. H. Rigg is Treasurer.

Chemical Society.—An informal meeting was held at Burlington House, Piccadilly, London W., on January 11. About a hundred members and friends were present. Re-About a hundred members and friends were present. Refreshments were served, and smoking was permitted. In the lecture-room Messrs. Gallenkamp had on view various types of electric laboratory-furnaces, including muffle and tubo furnaces, and a pyrometer registering up to 1 360° C. Philip Harris & Co., Ltd., Birmingham, exhibited an

apparatus, designed by Mr. A. V. C. Fenby, B.Se., for demonstrating the volume composition of hydrochloric acid, ammonia, carbon monoxide, and water without the use of mercury, and by using mercury the volume composition of hydrochloric-acid gas (by sodium amalgam) and that of ammonia (by sparking and explosion with oxygen) could be further shown. This exhibit also included weight dilatometers designed by Mr. Fenby. The Osram Robertson Lamp Works, Hammersmith, had on view: Scheelite, tungstic acid, tungsten metal (powdered), formed tungsten rod, completely swaged tungsten rod, tungsten wire (0.065 mm. in diameter), molybdenum oxide, molybdenum metal, and molybdenum wire (0.05 mm. diameter). The spark-spectrum of argon was shown, a tungsten filament being used in the lamp.

Liverpool.—A meeting of the Liverpool Chemists' Association was held on January 17, Mr. William P. Evans (President) in the chair. The Hon. Secretary (Mr. D. H. Evans) acknowledged the gift from the President of a portrait of the late Captain H. E. S. Evans, which would be hung in the ordinary meeting-room opposite the chair. The President stated that a portrait of another young member (the son of Mr. W. H. Saunders), who had also fallen, would be presented shortly, to be placed beside that of his own son. He proceeded to move a vote of condelence with the family of the late Mr. Richard Stopforth (Rowand & Co.), who was an old member of the Association. The election of a new member (Mr. F. Mey) followed. "The Pharmaceutical Outlook" was the subject of an address by Mr. J. W. Deakin, J.P. (Northwich). He opened by a graceful reference to the President, to Sir Edward Evans (the new chairman of Evans Sons Lescher & Webb, Ltd.), to Mr. John J. Evans (the retired chairman), to the two young members of the Association who had made the supreme sacrifice for their country, to Dr. Synes and to Mr. Moreton Parmy He vericial to he resure the property of the Synes and to Mr. Moreton Parmy He vericial to be resured. had made the supreme sacrifice for their country, to Dr. Symes, and to Mr. Moreton Parry. Ho rejoiced to have Symes, and to Mr. Moreton Parry. Ho rejoiced to have just heard a spirited discussion on the point whether the minutes presented for confirmation accurately reflected the discussion, at the previous meeting, on the relations of the Pharmaceutical Committee and the Insurance Committee. The breezy difference of opinion expressed testified to the contented life of the Association. (Laughter.) Turning to the pharmaceutical outlook, he pleaded for the improvement of the whole aspect and organisation of the profession. He sought the highest professional spirit, together with the perfect organisation of trado interests. Pharmaey should be the handmaid, and not the scullerymaid of medicine. A high standard of self-respect ought to be maintained. Men must look higher than a pill-bex. Regarding dispensing under the National Insurance Act, pharmaeists must make the best of it, and strive to place the terms on a better footing. The surprises of the future might be great, and the difficulties after the way as equivalent these peak. and the difficulties after the war as serious as those now current. A State Medical Service in which both insured persons and their dependants would be included must give to national dispensing a wider reach. Let there be more mutual trust and a decline of mutual suspicion. be continuous ropresentation of pharmacy in Parliament, and more than one representative. Let pharmacy obtain more representation on public bodies. Let due attention be paid to the education of the future pharmacist, and to research and scientific investigation. Some people thought medicine would be displaced by preventive medicinc, but in any case there would remain work for the pharmacist. He believed that the best of pharmacy was yet to be, and he urged each member of the Association yet to be, and he urged each member of the Association to become a missionary, so as to give pharmacy a united voice when addressing the Government or any other body. (Applause.) Mr. W. H.: Clubb moved a vote of thanks; and Dr. Symes, seconding, said it cheered them all to hear that a man of the wide experience and deep thought of Mr. Deakin looked forward with high hope to the future of pharmacy. Mr. Lohn Bain supported and Mr. Lohn H. of pharmaey. Mr. John Bain supported, and Mr. John H. Robinson said the lecture was one of the finest addresses he had listened to in that room. Mr. L. Moreton Parry also spoke, and Mr. Deakin replied.

London (Co.'.—The Executive Committee of the London County Pharmaceutical Association met on January 16, Mr. A. H. Jenkin (President) in the chair. The South-West London -Association suggested "Bacteriology" for discussion by district Associations during February; and Mr. Skinner said that the Pharmaceutical Council's scheme for lectures on bacteriology deserved the support of all the London Associations. The North London Association asked the Committee to formulate a policy for submission to Pharmaceutical Council candidates, and it was decided to refer the matter to a Sub-Committee. The Local Associations Executive have appointed a Sub-Committee to consider N.H.I. dispensing remuneration, and invited the views of the London Association. The report of the Organi-

sation Sub-Committee suggested that the same subject should be recommended to the district Associations for discussion during January, and for February "Present Pharmaceutical Organisation." Another suggestion was that the Executive Committee should ask the Local Associations Executive to obtain forthwith, from selected areas throughout the country, the percentage of the various medicaments ordered during the first and third quarters of 1916, showing the percentage of extemporaneous and stock preparations respectively. In the ensuing discussion it was suggested that the Sub-Committee should formulate definite resolutions on the subjects chosen for local consideration, so as to facilitate discussion at the district Association meetings. The report was then adopted. Other reports and routine business concluded the meeting.

London (E.).—A meeting of the East London Pharma-eists' Association was held at Limehouse on January 11, Mr. A. R. Keith (President) in the chair. The Chairman reported on recent proceedings of the London County Executive and the London Pharmaceutical Committee, and requested members to send lists of surplus stock to the Trade Secretary for inclusion in next month's price-list. It, was proposed to fix a minimum to the amount of scheduled poisons to be sold retail, but the subject was postponed. The Chairman opened a discussion on "N.H.I. Dispensing-fees." It was generally agreed that the payment was far below the ordinary remuneration for such services, and a scheme for higher fees was decided upon. The decisions on the subject were embodied in a resolution to be forwarded to the County Executive. A special fee for dispensing N.H.I. prescriptions after ordinary business-hours is under consideration by a Joint Committee of delegates from the Pharmaceutical and Panel Committees, and it was decided to let the matter remain in abeyance for the present.

Manchester.—The usual monthly meeting of the Manchester Pharmaceutical Association was held at 65 Market Street on January 10, taking the form of a social afternoon. There was a good attendance. The musical items were contributed entirely by the members of the Association. The President (Mr. Wm. Kirkby, M.Se.) opened the proceedings, and the programme comprised instrumental solos by Mr. Max Matz and Mr. E. Chapman, and songs by Messrs. Franklin, Boek, Boor, and Chapman; Mr. Matz acting as accompanist. Refreshments were provided, and the artists were thanked.—The Council met on January 10, when the President proposed a vote of condolence with Mr. George S. Woolley on the death of his sister, Miss Woolley. Mr. Kirkby said that no doubt many of those present would remember the splendid work Miss Woolley did for Manchester when the British Pharmaceutical Conference was held there, and she had been of great help to her brother, who would feel her loss very keenly. The vote was passed, all present standing. Mr. A. J. Pidd (Hon. Treasurer) mentioned that Mr. and Mrs. W. Kirkby had just attained their silver wedding, on which he congratulated them.

North Irish Pharmacists' Association.—The first social function took place at the Carlton, Belfast, on January 10, and was thoroughly successful. It took the form of a whist-drive, followed by a concert and an impromptu dance. In the unavoidable absence of the President (Mr. I. W. Nicholl) the guests were welcomed by Mr. R. W. McKnight. 'The whist-drive was very enjoyable, and the winners were: Ladics (1) Miss Stewart; (2) Miss Reid. Gentlemen: (1) Mr. Magurk; (2) Mr. Doohan. Mr. McKnight handed the prizes to the winners. Mr. James Dundee, Hon. Secretary of the Association, was made the recipient of a handsome cigarette-case as a memento of the evening and in recognition of his work for the Association, tribute to which was borne by Mr. James Tate (President P.S.I.) and Mr. M. MeDonald. The presentation was made by Miss McDonald, a lady of tender years, described by the Chairman as the youngest undergraduate chemist in the room. Mr. Dundee, in reply, said that no gift was necessary for his work for the Association. It was a pleasure for him to do what he did for it. A concert followal, to which Miss Porter, Miss Warnoek, Mr. Joseph Walsh, and Mr. McAleese contributed. The artists were heartily thanked for their services, on the motion of Mr. James Guiler, seconded by Mr. H. Todd. A vote of thanks was also accorded to Mr. McKnight, who responded. A dance brought an enjoyable evening to a close.

Warwickshire.—The annual general meeting of the Warwickshire Pharmaceutical Association was held at the Masonie Rooms, Leanington. Spa, on January 10, Mr. Lester (Nuneaton) in the chair. Owing, no doubt, to the pressure at which the craft are working the attendance was small. The officers were re-elected.

Insurance Act Dispensing.

A Record of matters concerning Chemists' interests in the National Health Insurance Acts.

Reports from Local Centres.

Bradford.—The Finance and General Purposes Committee recently presented a report to the Panel Committee on the alleged ordering in excess of drugs and appliances by local medical men during 1914. Some difficulty had occurred, it appeared, in obtaining evidence, owing to doctors being on active service. The complaint had been that twenty-seven doctors had exceeded the average of cost per case by over 1s.; that thirteen had given over ten prescriptions per case treated; and that fourteen had either 1 per cent. in number or 5 per cent. in value of their prescriptions over 3s. each. As a result of investigation the Panel Committee had recommended admonitory surcharges in six cases, but concluded that in most instances medicines were not ordered in excess of reasonable needs.

medicines were not ordered in excess of reasonable needs.

Derbyshire.—At a meeting of the Derbyshire Insurance Committee on January 15 the minimum statistical data prepared by the North Midlands Pricing Bureau for the six months ended June 30 last were presented. The total number of prescriptions dispensed in that period in Derbyshire was 172,999. The ingredient-price was 2,646*l*. 5s. 5*d*., and the dispensing-fees were 1,883*l*. 15s. 6*d*., an average for the former of 3.67*d*., and for the latter 2.62*d*. The number of persons on panel lists for whom doctors prescribed was 118,756, the total cost per insured person averaging 9.15*d*., and the frequency per insured person 1.46. A circular-letter was received from the Insurance Commissioners stating that there was a mistaken idea among insured persons as to their facilities for obtaining medicine being curtailed by the Order for the early closing of shops, and pointing out that the dispensing of medicines was the subject of a special exemption from the operation of the Order. The Clerk said that no information had reached him of any alleged difficulty in procuring medicine owing to the Order.

Dewsbury.—At a meeting of the Panel and Local Medical Committee it was unanimously decided that owing to the abnormal increase in the cost of drugs and appliances, petrol, etc., and the general increase in the cost of living, a uniform increase of 20 per cent, be made in the scale of fees of all medical practitioners in the county borough area, in accordance with the action taken in other areas. The Secretary (Mr. J. W. Healey) was re-elected unanimously, and a Sub-Committee was appointed to review the prescriptions given to panel patients during 1916, and report on any apparent cases of too frequent or too expensive prescribing in accordance with the regulations.

by the Insurance Committee that the new clause in the chemists' agreements with the Committee which allows sampling of dispensed medicines under the Sale of Food and Drugs Acts came into operation on January 1.

and Drugs Acts came into operation on January 1.

Steffield. The Pharmaceutical Committee met at the Insurance Offices, Mr. H. G. Williams in the chair. The Clerk wrote that the Panel Committee cannot further investigate the cases of alleged over-prescribing, as the record-cards are unobtainable, and the matter is to be dropped. The Pharmaceutical Society's tender for checking prescriptions for 1917 was accepted. There is a balance in hand of 11l. 17s. 2d. from the allocation for 1916 administration expenses; and it was decided to apply for 160l. for the current year, repayable by deductions of 2½ per cent. from monthly accounts. The prescribing of aqueous tine-tures and unofficial liquors was objected to, but stands overfor the present. A practitioner who wishes his formulæ dispensed according to the B.P. 1688 was informed that he must specify that edition on all his prescriptions. The Chairman reminded the members of the necessity of sending monthly to the Chief Recruiting Officer returns of all male employes of military age. A letter was read from Boots, Ltd., intimating that they would change their closing-hours to those which had been agreed upon by the Committee.

Suthend. The Insurance Committee met on January 9, when the Clerk reported payment last month of 82t. 5s. 8d., balance due on scripts and an advance on account of October. The prescriptions dispensed in June numbered 3.083 (at an average cost of 7.07d.), in July 3.069 (6.94d.) and in August 3.108 (6.23d.). The number of insured persons on doctors' books for the three menths averaged 15.844, and the cost of drugs; etc., per insured person 1.35d. Late-dispensing fees formed the subject of a long discussion, the

Pharmaceutical and Panel Committees being unable to agree on a scale. The Insurance Commissioners consider the question one for the decision of the Insurance Committee, but suggest that the adoption of a fee of 5d. on "urgent" prescriptions, as in the neighbouring area of Essex, might result in agreement. Mr. Martin expressed the hope that the panel chemists and the practitioners would really come to some agreement in regard to the extra dispensing-fee. That Committee felt they did not want to hurry the doctors at the expense of the chemists, nor did they want to rob the chemists at the expense of the doctors, but it seemed to him something like this—that the chemists wanted to keep open somehow for their own business, but they wanted to be paid for it by the Panel Committee; as it appeared to him, the doctors would have to pay it more or less. Dr. Bridger: That is what we object to. Mr. Martin: That being so, it is better that the medical gentlemen and the chemists should come to some arrangement between themselves. Dr. Bridger pointed out that the chemists also wanted a special rota, and he foresaw the greatest difficulty to the insured person in getting medicine to dispense. He would first have to ascertain who was the chemist on the rota, and then where that chemist's was situated, which would lead to great confusion. The Chairman thought that a fair solution would be as the Commissioners stated that they were to have a 3d. fee. Eventually the discussion was adjourned in the hope that an agreement may be arrived at between doctors and chemists.

SCOTLAND.

Pharmaceutical Standing Committee.— In a circular-letter to pancl chemists the Committee states that to meet the difficulty that has been experienced in calculating the price of hydrogen peroxide by the rule, the price is now given in the Tariff. The price has also been added of liq. picis carbon, made with industrial spirit. It is noted that the correct pricing of thyroid preparations has occasioned considerable difficulty in some areas. In the English Tariff the thyroid preparations included are based on a dosage having reference to the fresh gland, and this is common also to many preparations on the market. There is also a difficulty from the fact that most medical practitioners appear to intend a dose based on fresh gland, while others intend a dose based on the thyroideum siecum of the B.P., and some makers now send out preparations adjusted on this basis. Meantime, till a uniform method of prescribing is adopted, it is suggested that practitioners desiring a desage based on dry thyroid could obviate any possible difficulty as to their intention by adding after the word "thyroid" the word "sic," or even the letter "S." In the absence of any such indication all prescriptions are priced on the equivalent value of dry thyroid on the basis of a fresh-gland dosage. This hint, it is added, might be usefully conveyed to prescribers as opportunity offers.

Aberdeen.— The Commissioners have just given their decision in the inquiry which was held in December regarding the surcharging of an Aberdeen doctor for overprescribing. Two doctors were surcharged, and one of these claimed a hearing before a Committee of Inquiry appointed by the Commissioners. The decision which has now been given upholds the surcharge by the Insurance Committee.

WALES.

Merthyr.—At the January meeting of the Pharmaceutical Committee, the Secretary announced that every panel chemist in the borough had received payment in full of the 1915 accounts, the total drug account for that year amounting to 1,999ℓ, 11s. 8d. In the half-year ended June 1916, 28,962 scripts were dispensed, at a total cost of 782ℓ and an average cost of 6.45d. per script and 8.52d. per insured person.

Business Changes.

Mr. S. Van Minden has taken over the firm of Van Minden & Co., import and export merchants, 86 Leadenhall Street, London, E.C., as from January 10, and will trade as "S. Van Minden & Co."

MR. FREDERICK HARVEY, dispensing chemist, late of Lowe & Co., Surbiton, has purchased the business of Mr. W. W. Thomas, High Street, Knapp Hill, Woking, Surrey.

Mr. UEYAMA insect-powder producer, has, owing to increased business, opened an office in Osaka, and will carry on business in future as The Ueyamayei Insecticide Producing and Manufacturing Co., the new address being 3 Chome Tosabori, Nishiku, Osaka, Japan.

British Pharmaceutical Conference.

A MEETING of the Executive Committee was held at 16 Bloomsbury Square, W.C., on Wednesday, January 10, Mr. F. Ransom (Vice-President) in the chair, and there were also present Messrs. D. Lloyd Howard (Hon. Treasurer), F. W. Gamble, C. H. Hampshire, and H. Skinner, with Mr. R. R. Bennett (Hon. Secretary). Apologies for absence were received from the President (Mr. C. A. Hill), Major E. Saville Peck, Captain H. Finnemore, Dr. D. Hooper, Messrs. H. Deane, W. P. Evans, H. H. Jones, T. Stephenson, G. Whitfield, and W. F. Wells. The following members of the Conference have died since the last meeting of the Executive Committee: Mr. C. B.

The tollowing members of the Conference have died since the last meeting of the Executive Committee: Mr. C. B. Allen, Kilburn (elected 1879; Vice-President 1912-13); Mr. E. R. Allon, Finsbury (elected in 1899); Mr. David Howard, Ilford (elected in 1864); Mr. G. D. Mackay, Edinburgh (elected in 1876); Mr. Charles Umney, Southwark (cleeted in 1864; Vice-President 1881-83, Hon. Treasurer 1884-88, President 1889 and 1890); Mr. G. Watkins, Brisbane (elected in 1905). The Secretaries were directed to write to the relatives of the deceased gentlemen, expressing the symmathy. relatives of the deccased gentlemen, expressing the sympathy

of the Executive Committee.

The Hon. Treasurer (Mr. D. Lloyd Howard) submitted a provisional annual report. It was decided that, subject to completion and to audit, the report should be printed, distributed to members, and presented to the annual meeting of the Conference in July.

Astributed to members, and presented to the annual meeting of the Conference in July.

A letter from Mr. W. P. Evans, President of the Liverpool Chemists' Association, was read, and also one from Mr. Humphreys Jones, respecting the proposed visit to Liverpool in 1917. After general discussion, the Secretaries were instructed to write to Mr. Evans and to Mr. Humbres Lives informing them that the Fivestive were of the phreys Jones, informing them that the Executive were of the opinion that, in view of the existing conditions, it would be advisable to hold the next annual meeting in London.

Proprietary Articles Trade Association.

A MEETING of the Council was held at the Holborn Restaurant, London, W.C., on January 11. The first business was the election of officers for the ensuing year. The Manufacturers' Section nominated Dr. John J. Pilley, of Mellin's Food, Ltd., and he was unanimously elected by the Council. The Vice-Presidents were re-elected as follows: Messrs. J. A. South (John Steedman & Co.); A. T. Webb (May, Roberts & Co., Ltd.); and John Kcall, Wandsworth. The above, together with the Hon. Treasurer, Mr. G. R. Barclay (Barclay & Sons, Ltd.), in conjunction with Messrs. Grossmith, Kutnow. G. H. Burroughs, W. Edwards & Son, J. G. Akkinson, and P. F. Rowsell, constitute the Executive Committee for the year. A considerable amount of correspondence on the Mothers' Aid Society question was submitted, and after a long discussion it was resolved that, owing to the peculiar position in which the country is at owing to the peculiar position in which the country is at present placed, it is inexpedient that the Council should present placed, it is inexpedient that the Council should take up any extreme attitude on the question. Provided the packages of food are not the same as those on the P.A.T.A. list no objection will be offered to their sale by the Societies in question to poor people. The Secretary was asked to request manufacturers to arrange as far as possible that the cupply of these unofficial packages be confined to people unable to afford the official variety. As regards the official packages, the Council will take no objection to the coupon system whereby the trade will be reimbursed in cash or goods for sales at less than minimum retail prices to members of Mothers' Aid Societies.

Gazette.

Partnership Dissolved.

Batty, J. F., and Batty, A., Little Hulton, mineral-water manufacturers, under the style of J. F. & A. Batty.

Bankruptcy Acts.

RECEIVING ORDER.

CHAMBERS, J., 78 Belle Vue Road, Leeds, formerly 22 Montpellier Walk, Cheltenham, chomist's assistant, formerly

A Dentist who leaves his patient a nervous wreck after a dental operation to-day is not fit for the position he holds as a purveyor to the peace of the community.—Dental Review.

Trade Report.

the prices given in this section are those obtained by importers or manufacturers for bulk quantities or original packages. To these prices various charges have to be added, whereby values are in many instances greatly augmented before wholesale dealers receive the goods into stock, after which much expense may be incurred in garbling and the like. Qualities of chemicals, drugs, oils, and many other commodities vary greatly, and higher prices than those here quoted are charged for selected qualities of natural products even in bulk quantities. As a result of the War wholesale houses have had to contend with many fresh difficulties, some of which have involved greatly increased expenses. Shortage of labour with higher wages (equal to almost double pre-war rates) has a direct effect upon values of goods, as also have rail way carriage, freights, cartage, and other charges. The foregoing and other incidental outlays prevent retail buyers purchasing at the market prices quoted

42 Cannon Street, E.C., January 18, 5.30 r.m.

BUSINESS is somewhat slower in developing than had been anticipated, and there is a halting tendency on the part of anticipated, and there is a halting tendency on the part of buyers. Under present conditions there is little inducement to buy other than for mostly current requirements, but this may be only a temporary phase, and when business settles down buying will go on more freely. Restricted purchasing particularly applies to so-called fine chemicals, most of which are slowly declining—e.g., acetyl-salicylic acid, salicylic acid, salol, chloral hydrate, hexamine, phenacetin, have been marked down. Our New York cable shows the latest reductions from the other side. Barbitone, occaine and phenacene, on the other hand, are dearer. The cocaine, and phenazone, on the other hand, are dearer. Tho cocaine, and phenazone, on the other hand, are dearer. The French Government has placed an export tax on many pharmaceutical chemicals, which may have a steadying influence on prices. Owing to the greatly increased freights from the United States there has been an all-round advance, equivalent to about 3d. per lb. on American roots, barks, leaves, etc., this affecting articles like cascara, euonymus, barberry, gelsemium, witchhazel, etc., which cannot now be replaced except at a substantial advance and indefinito delay. Other changes include an advance in milk-sugar and turmeric. Japanese slab camphor on spot is almost unobtainable; Star anise oil is flat, and sandalwood is very firm.

Higher	Firmer	Easier	Lower
Arsenic Barberry bark Barbitone Caseara sagrada Cocaine Euonymus Milk-sugar Phenszone Potashes (Montreal) Turmeric	Petroleum Quinine (seehands) Wood oil (Hankow spot)	Ammon. ichthosulph. Anise oil (star) Coeonut oil* (Cochin) Cod-liver oil Hexamine Palm oil (Lagos) Peppers Phenacetin Potash bromide	Acetyl- salicylic acid Chloral hydrate Cloves Coeonut oil (London pressed) Ethyl- salicylate Salicylic acid Salol

Cablegram.

New York, January 17.—Business is quiet. Menthol has been advanced to \$3.25 per lb. Curacao aloes in cases is easier at 8½c. Peppermint oil in tins is higher at \$2.20. Cascara sagrada is 1½c. dearer at 10c. Copaiba balsam is firmer at 63c. Salicylic acid has been reduced to \$1.00 per lb., sodium salicylate to \$1.00, methyl salicylate to \$1.00, and salol to \$2.00 per lb.

ACETYL-SALICYLIC ACID is easier, with offers at from 17s. 6d. to 18s. per lb. net as to quantity.

ALUMINIUM.—The selling price of ingots of ordinary commercial purity (98/99 per cent.) has been fixed by the Ministry of Munitions at 2251. per ton, carriage paid to consumers' works. The maximum selling price of remelted aluminium scrap and swarf ingots of 98/99 per cent. purity has been fixed at 2101. per ton, carriage paid to consumers' works. The maximum price must not be exceeded, but a lower one may be fixed by agreement between the seller and the buver, based upon the metallic aluminium content. Permits will be granted only for such dealings as are in accordance with the above prices.

Ammon. ICHTHOSULPHONATE is easier at from 2s. 6d. to 3s. 3d. per lb. net as to quantity.

3s. 3d. per lb. net as to quantity.

Ammonia Sulphate.—Quiet. Home-trade price is 151. 10s. per ton for January-February delivery. Export prices are: London, prompt, 25-per-cent., 17t. 10s. per ton net, naked at works; Hull, 24-per-cent., 18t. 7s. 6d.; Liverpool, 18t. 15s.; Leith, 18t. 17s. 6d., less 32 per cent. in bags t.o.b.

ANISE OIL, STAR, is flat. To arrive "Red Ship" is quoted at 3s. 4d. c.i.f. and spot at 3s. 5½d., with quantity at less. ARROWROOT.—Sales of St. Vincent have been made at

34d. per 1b.

ARSENIC is dearer at 46l. per ton for best white Cornish powder.

BALSAM PERU.—The spot value is 15s. 3d. per lb., and to arrive 14s. 6d. c.i.f. is quoted.

BARBITONE is dearer at 115s. per lb., and difficult to find. Some parcels of adulterated quality from the Continent have been found on the market, so that caution is required

have been found on the market, so that caution is required by buyers.

BUCHU.—The exports from the Union of South Africa during September 1916 were 3,836 lb. (691L), against nil in September 1915. During the nine months ending September 30, 1916, the exports were 111,175 lb. (18,090L), against 215,871 lb. (19,468L) for the corresponding period of 1915.

CAMPHOR (REFINED).—Japanese slabs appear to be much sought after, but none to be had at the moment: some are about landing. Tablets are 3s. 8d.

CASCARA SAGRADA.—The London spot value is 100s. per cwt. for two-year-old bark, which price has been paid. A New York report, dated January 6, states that cascara sagrada is extremely firm and closely held, with stocks on the Pacific Coast at a low ebb. Well-informed interests would not be surprised to see a 15-cent market before many weeks. The newest development in the situation is the fact that occan transportation, war risk, and insurance the fact that occan transportation, war risk, and insurance rates from the Pacific Coast to England have been prac-

cast from the latine Coast to England have been practically doubled within the past few weeks.

Castor Oir.—Quiet, with Hull make of first pressing offering at 70l. per ton in barrels f.o.b. Good seconds Calcutta in Liverpool is 7½d. per lb., at which business

has been done.

CHAMOMILES.—Small sales of creamy Belgian old crop have been made at 230s. per cwt.

CHIEBTA.—Sellers on spot quote 11d. per lb. CHLORAL HYDRATE is easier at 7s. per lb. net in bond for

CHLORAL HYDRATE is easier at 1s. per 1b. net 1h ound for crystals of Swiss make in jars.

CINCHONA.—At the tender held at Amsterdam on Wednesday, January 17, 14,298 packages Java manufacturing bark, weighing 1,146,971 kilos., will be offered, the quinine content being 72.760 kilos. The average percentage is 6.34. At the auction to be held on January 18, 1,572 packages who reaccuring least will be offered, weighing 82.182.

6.54. At the auction to be held on January 18, 1,5/2 packages pharmaceutical bark will be offered, weighing 82,182 kilos., the quinine content being 2,207 kilos.

CITRIC ACID is very firm at 2s. 7½d. per 1b. on the spot.

CLOVES are easier, with sellers of fair Zanzibar on the spot at 8d., and to arrive February-April shipment at 7½d. c.i.f., January-March delivery at 8d., and March-May at 8½d. per 1b.

May at 8\(\frac{a}{a}\). per 1b.

Cocaine is a very firm and dearer market, and spot parcels of hydrochloride command a premium owing to scarcity. It looks as if this scarcity will be apparent for several months; raw material is plentiful enough, but the difficulty is one connected with manufacture, such as labour, cost of re-agonts, etc. For April-May delivery Dutch make of hydrochloride is offered at from about 21s. to 22s. per oz. net, and on the spot 23s. is quoted.

Coca-Leaves.—An auction will be held at Amsterdam on January 18, when 1,050 packages, weighing 56 684 kilos, will be offered, the total alkaloidal content being 828 kilos. The exports of coca from Java to Europe during December 1916 amounted to 303 packages, against 1,613 packages in 1915. The total exports (January-December) amounted to 3,640 packages in 1916, against 20,276 packages in 1915.

COCOA-BUTTER has been in good demand, the value of English being 1s. 7d. to 1s. $7\frac{1}{2}d$.

COD-LIVER OIL.—On the London market Norwegian oil is a dead letter with most of the agents, and there seems and there seems no intention on the part of Norway to make offers at reasonable prices. The market for this description of oil is being starved in consequence, in order to feed Germany with fats, a goodly proportion of the payment being made in Was 1 and in War Loan.

COLCHICUM-ROOT.—Spot holders ask 5s. per lb.

COPAIBA is steady, B.P. filtered offering at 3s. 9d. on the spot.

COPPER SULPHATE is firm at 64%, per ton for the usual Liverpool brands.

CORIANDER-SEED. - English is quoted at 60s. per cwt.

DEXTRIN.—Japan, and to a less extent Holland, have kept this market supplied since the war, and fairly large quantities have been received from the former country. The

price is at the high level of 50s. per cwt. on the spot, which is a direct encouragement to Japan to grow potatocs. The official exports of dextrin or farina from Japan are not recorded, but we note that during the ten months ending October 1916 the exports of "flours, meals, or groats of grains and starches" (excluding wheat-flour) amounted to 35,706,441 kin, against 8,126,951 kin and 822,717 kin for the corresponding period of 1915 and 1914.

ETHYL SALICYLATE has been reduced 1s. per lb., offering

at 5s. 6d. net.

FORMALDEHYDE.—Slow of sale, with 80s. per cwt. obtain-

able for spot parcels.

GELSEMIUM-ROOT.—An inquiry was received in New York for four tons of gelsemium-root for export to England. It A few months ago offerings were being made freely on a basis of 3 to 4 cents per lb., but the demand from pharmaceutical and patent-medicine manufacturers in general has been so active the last few weeks that holders have raised their asking prices to 6 cents, some asking 7 cents.

HEXAMINE is easier at from 2s. 7d. to 2s. 9d. per lb. net

as to quantity.

HONEY is still in fair demand at 1s, or so over last week's auction prices. There is a fair amount in second-hands bought previously to the sale last week.

IPECACUANHA.—Quiet, the nominal value of sound Matto Grosso being 10s., and sellers of Cartagena quote 9s., with

business done at 8s. 6d.

Menthol.—Spot sellers of Kobavashi-Suzuki quote 14s. per lb., and to arrive sales for December-January shipment have been made at 12s. 3d. per lb. c.i.f.

The exports from Japan during October amounted to 32,622 kin, valued at 175,691 yen. During the ten months ending October for the past three years the exports were sellers.

1915

1914

Kin	••• 242,044	267,918	<i>55</i> 6.994
Yen	1,680,925	1,477,632	2,077,080
The destinations	were as follows	s:	
	1914	1915	1916
To	Kin	Kin	Kin
British India .	11.656	19,765	17,861
Great Britain .	37,730	49,862	119,661
France	17,829	40,186	69,183
Germany	82 600	_	_
United States .	80 932	134,128	119,295
Other countries	11,297	23,977	10,994
	242,044	267,918	336,994

METHYL SALICYLATE is obtainable at 6s, per lb. on the spot. MINT OIL.—Japanese dementholised on spot is quoted at 4s. 1½d. to 4s. 3d., and December-January shipment at 4s. c.i.f.

The exports from Japan during October amounted to 35,484 kin, valued at 99,122 yen. During the ten months ending October the exports were:

MORPHINE.—Makers are not in a position to sell quantity, and new business is not being undertaken. Sales have been to the United States, where we understand the price is 24s. per oz., and only obtainable with difficulty in small

Nux Vomica.—It is reported that steamship companies have refused to carry this drug for the present, as space is being devoted to more valuable and less bulky cargo. Business has lately been done in Madras description at 27s. c.i.f. for January-March shipment, and at 54s. c.i.f. for Bombay.

Ons (Fixed).—Linseed is easier, closing at 50s. per cwt. in pipes landed and 51s. landed in barrels. Cottonseed is unchanged at 49s. 6d. for crude in pipes, and pale refined in pipes on spot is 51s. 6d. to 52s. 6d.; for sweet refined in barrels from 58s. to 60s. is quoted. Rape is firm, with ordinary brown naked on spot offering at 54s.; British refined in barrels is 57s. to 59s., and Japanese in cases is 51s. c.i.f. for January-February shipment. Coconut is dull at 55s. for Cevlon in horsheads on spot and 63s. in pipes. at 65s. for Ceylon in hogsheads on spot and 63s. in pipes. Cochin on spot is 64s. to 66s., and shipment 63s. 6d. c.i.f. London pressed is 51s. Hankow Wood oil is 77s. 6d. spot and 65s. c.i.f. Soya is dull; Hull (spot) crushed is 49s., and in London December-January shipment is 47s. c.i.f. Lagos Palm is easier at 50s. on spot, and 45s. 3d. ex quay Liverpool.

Opium.—Persian remains firm, with further spot business at 35s. per lb. net for 10-per-cent., with 36s. asked for the small remaining stocks. The value of good Turkey Druggists' is 40s, to 42s, as to seller.

Orange-Peel is more inquired for, and sales of so-called-Maltese have been made at about 2s. per lb.

Peppermint Oil.—The spot price of the finest brands of American oil is 16s. 6d. per lb. net. Growers in the West have raised their prices another 15c. per lb.

Petroleum is ½d. per gal. firmer at 1s. 2d. for ordinary refined American and 1s. 3d. for water-white.

PHENACETIN is rather easier at from 90s. to 95s. per lb. net on spot. A new make offering from America is in the market, but the quality is not B.P. This fact has a tendency to depress the guaranteed article, and buyers should therefore ensure that their supplies are B.P.

PHENAZONE is scarce, and 40s. per lb. is now being asked for the limited quantities obtainable.

POTASH IODIDE.—The exports from Japan during October 1916 were 10,008 kin, valued at 61,938 yen. During the ten months ending October they were:

1914 1915 1916 67,696 111,059 140.985 Kin ... 67,696 Yen ... 440,262 834,629 1,022,536

POTASHES.-First Montreal are dearer at 190s. on the

QUICKSILVER is without change at 181. 15s. per bottle in small lots.

QUININE.—A limited business was done in sulphate last week from second-hands at from 2s. $3\frac{1}{2}d$. to 2s. $4\frac{1}{2}d$. per oz., but the weak holders having now been cleared out the market is firmer, and sales have been made at 2s. 5d. to

RESORCIN can be obtained at 110s. per lb. net on spot.

SAFFRON.—Market has lately eased in Spain, but, owing to the difficulty in obtaining shipment, it has not affected the spot price, and a fair business has been done on the basis of 42s. 6d. per lb. net for finest guaranteed genuine Valencia B.P.

SALICIN is unobtainable on the spot, makers and dealers being unable to supply. The nominal value is 20s. net.

Salicyllo Acid of American make is about 6d. per lb

SALICYLIO ACID of American make is about od. per 10, cheaper, U.S.P. quality offering in kegs at 4s, 3d. to 4s. 6d. English B.P. can be had at from 4s. 9d. to 5s.

SALOL.—For actual spot supplies from 9s. 6d. to 10s. per lb. net is quoted, and for indefinite delivery from U.S. sales have been made at 8s. per lb. c.if.

SANDALWOOD OIL.—The position remains very firm, and although the price remains high, the demand (especially for export) remains good, and the situation points to eventually export) remains good, and the situation points to eventually higher prices, particularly as Indian supplies have been readily taken up. The factory at Bangalore, it is reported, has sold its output until next June; this factory, as we showed in our issue of December 30. 1916, is able to produce 2,000 lb, per month. Spot sellers quote finest B.P. distilled from E.I. wood at 47s. 6d. per lb, net TARTARIC ACID is steady at from 2s. 7d. to 2s. 7½d. per lb.

on the spot.

THYMOL made from oil of thyme has been selling at from about 30s, to 32s, per lb. for British-make on the spot. Ajowan-seed is not now available at the previous low prices owing to the rise in freights, insurance, etc., from India. Holders ask 34s, to 35s.

TRAGACANTH.—There is now a fair selection of all qualities on this market fair agricule having taken place and

ties on this market, fair arrivals having taken place, and ties on this market, fair arrivals having taken place, and prices have been rather easier. Demand is, however, more general among druggists and others, and, as there is little possibility of decidedly lower prices, buyers are recommended to cover their requirements well ahead.

Turmeric.—Sales of Madras finger have been made on the spot up to 42s. 6d. per cwt., and to arrive 41s. c.i.f. is

TURPENTINE has continued active, with but little change on balance, American closing at 53s, per cwt. on the spot,

and February-April 54s. 3d.

WAX, VEGETABLE.—Sellers of January-February shipment quote/69s. per cwt. c.i.f.

Arrivals of Chemicals, Drugs, etc.

THE following is a selection of arrivals in the Port of London during the period from January 3 to 16 inclusive. The countries specified are those from which the goods are consigned Goods in transit are not included.

Acetic acid (U.S.) 55 [brls. (Suez) 50 cbys. Acetyl - salicyl. ac. (Can.) 3 cs. Albumen, egg (Ch.) 18.061l.

Alcohol, wood (Can.)
16.960 gals.
Alors (Cape) 50 cs.,
(U.S.) 25 pkgs.
Alumina sulphate (U.S.), 56 brls.

Aconite (Jp.) 16 bls. Alva marina (Fr.) 78 bls. Ammon. fluor. (U.S.) 2 cks. Ammon. ichthyo-Ammon. ichthyosulph. (Jap.) 10 cs.
Ammon phosph.
(U.S.). 140 cks.
Anise oil, star 50 cs.
Annatto-seed (B.W.I.)

50 bgs.

Antim., cr. (Ch.) 568 tons Antim. ore (Egy.), 75 tons, (Jp.) 50 tons Argol (Cape) 73 bgs., (Algiers) 187

(Algiers) 187
Asthma cure (U.S.)
110 hxs.
Barvtes (It.) 100 bgs.,
(Sp.) 2,000
Belladonna-root (Fr.)

4 bls. (B.I.) 99 bls.

Benzoin (S.S.) 103 cwt. Bismuth concentrates (N.S.W.) 6621. Bismuth ore (N.S.W.)

240l.
Bismuth subsalicyl.
(U.S.) 40 cs.
Borte acid (Fr.) 258

Bromine (U.S.) 32 cs. Buchu (Cape) 8 bls. Calamus - root (Holl.) 14 bls.

Calc. acetate (Jp.) 200 cs. Calc. carbide 15,440

cwt.
Camphor (J p.) 380 cs.
Canary-seed (Fr.) 560
bgs., (Sp.) 200 rgs.
Caraway-seed (Fr.) 60
bgs., (Natal) 23 cs.

bgs., (Natar, 23 pkgs. tetrachlor. Carbon tetrachlo (Fr.) 7 dms.
Cardamoms 29 pkgs.

Cascarilla (Peru)

bdls. Casein (B.I.) 2,600*l*., (Fr.) 3,368*l*.

ewt. 25 cs. Castor oil (Fr.) 100 cs. (B.I.) 984 brls. 159 cks.

Castor-seed (Rhodesia) 103 bgs. Celery-seed (Fr.) 3 bls. 11 pkgs.

Cerium nitrate (U.S.)

Chemical products, various (Fr.) 97l. Chloral hyd. (Swz.) 5 pkgs. Chlorophyl.(Swz.) 2 cs.

Oint amon (Cey.) 50

Citric acid (Fr.) 8 cks. Coconut oil, unref. (Cey.) 442 pps. 91 hds. 98 pps. 31 brls., (China) 24 pps. 4 pps. 3 hds.

Coltsfoot (Fr.) 14 bls. Copper sulph. (Jp.) 2 cks. Copra 13,290 cwt.

Cream of tartar (Fr)
112 cks. 20 kgs. Cubabs (U.S.) Cun in-seed (U.S.) 60

hgs. Dari-seed (B.I) 560

bgs.
Dental goods (Swz.)
1,6711. Dextrin (Jp.) 1,000 cwt.

Diacetyltannin (Swz.) 1 pkg. Digitalis-leaves (Sp.)

102 bgs. Dill-seed (B.I.) 89 bgs. Dill-seed (B. L.) 29 ngs.
Drugs, unrated (Swz.)
9 l., (Fr.) 38l., (U.S.)
97l., (Jp.) 13 bls.,
various (U.S.) 435l.
Egg-yolk (Ch.) 16,263l.
Eider-flow. (Fr.) 21

Essential oils, natural (Fr.) 125 cs. 1 pot 27 cks. 41 pkgs. 1 c'yy. (Holl.) 3 cs., (Italy) 2X gcs. 53 cs. 2 pkgs., (Sp.) 1 cs. 12 dms., (B.W.I) 18 cs. 11 cbys. (B. India) 66 dms. 48 cs. 5 pots. (Ceylon) 128 dms. 25 cs., (U.S.) 18 dms. 140 cs. (China) 25 cs., (Japan) 130 cs., artificial (U.S.) 12 dms., (Fr.) 15 cs., unrated (U.S.) 141. Eucalypt. oil (Vic.) 83c cs. Essential oils, natural

830 cs. Farina (Jp.) 7,352 cwt. Fusel oil (Russ.) 7251. Fullers' earth (Jp.) 5

tons Gallic ac. (U.S.) 1 ck. Galls (Ch.) 14L Gambier 850 cs. Gamboge (Siam) 32 cs. Gelatin caps. (U S.) 18 cs

Gentian (Fr.) 30 bls., (Sp.) 30 Gentian pow. (Fr.) 10 bgs., (B.I.) 10 Ginger (B.I.) 152 bgs. Glucose (U.S.) 2,134

Ground-nut oil (B.I.)

189 cks., (Fr.)10 pps. 10 brls.

G. acacia (B.I.) 222 ewt., (Fr.) 100 cwt., (Jp.) 20 cwt G. copal (S.S.) 264 cwt

G. damar (S.S.) 621 G. grasstree (Vic.) 47

G. jatoba (Fr.) 31 cwt. karara (B.I.) ewt.

G. kauri (N.Z.) 2,182 cwt. G. thus (U.S.) 74 cwt.

G. tragacanth (Pers.) 347 cwt.

Hamamelis ext. (U.S.) 60 brls. Henbane-leaves, 3 bls. Henna-leaves (Fr.) 12

bls. Herbs, dried (Fr.) 177 bls., (Sp.) 23 bls. Hexamine (U.S.) 5 kgs.

Hydroquinone (U.S.)

3 cs.

Illipe fat (Fr.) 189 cs.
Indigo (B.I.) 1,668,
(San Salvador) 12
bls.

Laurel-leaves (It.) 5

bls. Lavender flow. (Fr.)

32 bls.
Lime-juice (B.W.I.)
40,252 gal., (B. Gu.)
100 gal. Liniment (U.S.) 650%. Linsced (B.I.) 48,553

bes. Liquorice paste (Fr.) 223 cs.

Liq.-powder (Fr.) 10 bgs.

bgs.
Liquorice-root (B.I.)
68 bdls., (Fr.) 8 bls.,
(It.) 60 bgs.
Mace (B.I.) 30 cs.

Maize starch (U.S.) 3,323 cwt., (Holl.) 1,210 cwt. Marjoram (Fr.) 12 bls. Marshmallow - root

(Sp.) 10 bls.

Menthol (Jp.) 55 cs.,
(U.S.) 40 cs.

Methyl. sal. (U.S.) 15

Milk-sugar (U.S.) 100 pkgs. Niger-secd (B.I.) 8,298

bgs. Nutmegs (S.S.) 300 bxs. 112 cs.

Nutmegs and mace (B.W.1.) 153 pkgs. Nux vom. 69 bgs. Oils, fixed: cod (Nwf.)

lls, fixed: cod (Nwf.)
254 cks.; fish (1p.)
3,50.0 cs., (Labrador)
209 cks.; herring
(Jp.) 1,610 cs.; olive,
ref. (Sp.) 274 gal. 27
tuns, (Fr.) 5 tuns 30
g., (Greece) 582 gal.;
poppy-seed (Fr.) 12
10rls.; rape (Jp.)
1,000 cs.; seal (Lab.)
257 cks.; shark (Jp.)
1,000 cs.; soya (4p.)
2,950 cs.; sperm (Jp.)
1,000 cs.; swoya (4p.)
2,950 cs.; whale (Natal)
250 dms.; whole (Natal)
250 dms.; wood (Jp.)
2001.

2007. Ointment (U.S.) 317l. Olibanum 50 cwt. Omnopon tabs. (Swz.)

Omnopoli tals. (SW2.)
1 cs.
Orris (Holl.) 20 bdls.
Opium (B.I.) 100 cs.
Pep1 er (Siam) 260 bgs.,
(S.S.) 1,195, (B.I.) 26,
(Jp.) 15

Papain (Cey.) 9 cs. Paraldehydc (U.S.) 10

Pareira brava (Fr.) 721. Pennyroyal-herb (Fr.)
5 bls.
Pepsin (U.S.) 6 bxs.

Perfumery (Fr.) 520l., (Swz.) 1.006l., (Jp.) 6l., (U.S.) 1.146l. Phenolphthalein(U.S.) 1 cs. Pot. brom. (U.S.) 59

cs.; gran. 9 cs. Pot. muriate (Egypt) 900 hgs.
Pot. i dide (Jp.) 33 cs.,
(U.S.) 49 cs.

Pot. perchlor. (Fr.) 200 køs.

Pyrog. acid (Swz.) 3 brls. Quillaia (Chile) 1,1791. Quinine (Holl.) 89,200

oz. Rapeseed (B.I.) 14,383

bgs. Rhubarb (Ch.) 46 cs Saccharin (US.) 4,624

oz.
Saffron (Sp.) 1 cs.
Sage, rubbed (Fr.) 39
lls.
Salicylic acid (U.S.) 48
brls. 1 kg.
Salol (U.S.) 45 kgs.
Saltpetre (B.I.) 18,449
cwt.

Sandalwood (B.I.) 64 bdls, 5 tons

Sandalwood oil(Egypt) Sassafras-bark (U.S.)

21 bgs. Sedebrol tabs. (Swz.) 1 cs. Senna (Suez) 259 bls., (Egypt) 135 bls.; sittings. 100 bls.; pods (B.I.) 25 bls. Sesame-seed (Oh.)2,800

Shellac 147 cwt.
Soap, toilet (Fr.) 261.;
household (Fr.) 741.
Soda butyrate (U.S.)

1 brl. Soda caustic (U.S.) 706 ewt.

Soda oxalate (U.S.) 14 cks. Soda salicylate (U.S.)

24 cwt. Subitol (Jp.) 40 cs. Sumac (Tunis) 4,300 bgs. Tannic acid (U.S.) 10

brls. Teazle-seed (Fr.) 118

bgs. Terpene oil (U.S.) 761. Theobrom. sodio sal. (Holl.) 10 cs. Theobromine (Holl.) 4

cs. Thorium nit. (U.S.) Thorum hit. (U.S.) 5,510l. Toilet-powder (Fr.) 1,368l., (U.S.) 617l. Tonka beans (U.S.) 1 cs. Triacetin (Swz.) 1 cby.

Turpentine (U.S.) 1,500

Vacuum flasks (U.S.) 731l., (Jp.) 1,132l. Vanitla (Bour.) 4 cs. Waters, aper. (Fr.) 564

Waters, aper. (Fr.) £64
cs.
Wax, bees' (Port.) 9
bgs., (1t.) 12 bls.,
(B.I.) 47 cs., (Egypt)
127 bgs., (Brazil) 109,
(Fr.) 1,063 pkgs.,
(Cape) 10, (Port. £.
Af.) 290, (Nyasa) 5,
(U.S.) 57 cs., (Sp.) 25
bgs., (Gib.) 10
Wax, parafin (U.S.)
2c,795 cwt.
Wax, veg. (Jp.) 100 cs.
Witch hazel (U.S.) 4
bls.

bls.

Mar. 17—17 cs. opium (Persia). Aug. 3—48 bales senna. (Egypt) Cancelled Entries.



Letters for this section should be written on one side of the paper only. The writer may adopt an assumed name for purposes of publication, but he must in all cases furnish his real name and address to the Editor.

Micro-biology.

SIR,-" Microbiopharmacist" may rest assured that the clause he quotes has received careful attention. My own connection with the medical profession is far too intimate to allow me to overstep with impunity the proper limitations of pharmaceutics. I am delighted to have amused the creator of "Macksims" by such simple means; it reduces my indebtedness to him for his frequent additions to my HERBERT SKINNER. own gaiety. Highgate, N.

Trade-marks in South Africa.

Mr. Reginald W. Barker, adverting to his letter (C. & D., January 5, p. 54), informs us that the Union of South Africa Act relating to patents, trade-marks, designs, and copyrights came into force on January 1.

"The Jack-boot."

Mr. Sidney F. Body, Southend-on-Sea, writes in reply to "Xrayser II." and "Soloman" in our last issue, and invites our contributors to survey the pharmaceutical position of to-day and endeavour to trace any recognised organisation having universal significance, apart from the Pharmaceutical Society, for protecting and promoting the interests of pharmacists. He submits that reorganisation should be the watchword should be the watchword.

Latin in Pharmaey.

SIR,—The use of Latin in medicine is a survival of the practice that obtained a few centuries ago in all the learned professions, and indeed among educated men generally. At that time books on medicine, law, and theology were in Latin, and also charters and Acts of Parliament. Lectures Latin, and also charters and Acts of Parliament. Lectures in the universities were delivered in Latin, which was, moreover, the language of the Church. Through it cultured men of one country could communicate with their fellows all over Europe, so that not to know Latin was to be outside the pale of culture and out of touch with the thought and movements of Christendom. All this is changed, and to-day Latin is to all intents and purposes a dead language. Only in the Roman Church and in the prescriptions of a few medical men does it partially survive. The majority of prescribers have given it up in writing "directions," and it is only employed in the formulæ because plant, drug, and chemical names are in Latin. It is much more convenient is only employed in the formulæ because plant, drug, and chemical names are in Latin. It is much more convenient to use the Pharmacopeia Latin titles, and I do not think their use will ever die out, for Latin is universally employed in our Pharmacopeias and is the one medium by which international medicine is possible. The use of Latin also serves this purpose—that it usually prevents the patient knowing what he is taking, which is to the advantage of both himself and the doctor. The real reason, as Dr. Fantus has pointed out, for the survival of Latin in pharmacy is the historical one; our drugs are named in Latin, and where synthetics and new remedies come along we coin hybrid Latin names for them so that they may be in the fashion. fashion.

But all this does not mean that a medical or pharmaceutical student should spend much energy, and possibly some years of time, learning Latin verbs and declensions that will be no manner of use to him. My pharmaccutical friends will bear mc out that I strove twenty years ago to prevent Mr. Carteigho raising the Latin standard of the old Preliminary examination. Doubtless I was considered a heretic in those days, but little did I, or any other person, look forward to the time whon not only the Pharmaceutical look forward to the time whon not only the Pharmaceutical Council, but also the General Medical Council, would throw Latin overboard altogether. For, disguise it as we may, that is what has happened, and twenty years from now the medical student who can read a line of Virgil will be rarely seen or heard of. For the purposes of comparative philology Latin is invaluable, but for medical terminology it is practically worthless. It is far otherwise with Greek. I would not be surprised to find that 95 per cent. of our medical terms were based on words taken from the Greek language, and therefore I consider that a working knowledge of Greek is simply invaluable to a medical man; in fact, Is cannot conceive how he gets on without it. The regulations for the M.D. degree in some universities at one time required a knowledge of Greek, but for the ordinary

degrees and licences Greek is not required. It certainly ought again to come into fashion, for every doctor who knows Greek blesses the compulsion that made him an unwilling student of that tongue. Just as Latin has disappeared because it served no good purpose, so will Greek, in my opinion, reappear. With Greek we recognise the meaning of medical terms at a glance; without it, we must meaning of medical terms at a glance; without it, we must burden an already overtaxed memory with a mass of altogether unnecessary lumber. To both doctor and pharmacist I would say, Bid Latin a cheerful good-bye, but so far as Greek is concerned the doctor should certainly look upon it as indispensable.

Yours, etc.,

THOMAS MABEN.

In a Military Hospital.

Chief Dispenser (106/35), writing from a provincial mili-Chief Dispenser (106/35), writing from a provincial military hospital to renew his subscription, says: "The C. & D. is always welcome, interesting, and useful, but was particularly so during the past year, when, with the rapid and frequent rise in prices, it was impossible to keep strictly to contract or catalogue figures, the 'Trade Report' of the C. & D. was, often sought in order to determine whether the increase demanded was fair and reasonable. The transition of the character of this place from an institution into a hospital for sick and wounded soldiers introduced great changes into the 'Local Pharmacopeia,' and the formulae for things being largely used in France and elsewhere, which appeared in the pages of the C. & D., I often found very handy, such as that for 'Dakin's solution,' Eusol, bismuth-iodide paste, etc. Abstracts from the medical papers concerning new treatment, etc., are of the times. I also get news of old friends, too, from time to time in the personal column. This institution is an ideal place for the reception of wounded and sick soldiers, convoys of whom arrive from the Front every week. In this prace for the reception of wounded and sick solders, convoys of whom arrive from the Front every week. In this hospital there are over thirty large bright wards, from the windows of which extensive views of the well-wooded county are obtainable. The grounds are also well laid out, and in the summer cricket, tennis, croquet, and bowls were in full swing; while the beds of many of those who were unable to take part were carried from the wards and placed under the trees and together with the uniforms of the unable to take part were carried from the wards and placed under the trees, and, together with the uniforms of the convalescent and of the sisters and nurses, often presented a most picturesque scene. During the winter concerts and plays are given frequently in the large recreation-hall, and small orchestras and singers go into the wards and entertain there those who are unable to leave their beds. Thus the wounded are able to recuperate under most favourable conditions, and great satisfaction is often most favourable conditions, and great satisfaction is often expressed by the soldiers on leaving. There is accommodation for over 1,500 wounded, and there are three operating-rooms, two x-ray and two massage rooms, and various other departments for special treatment in this large and other departments for special treatment in this large and well-equipped hospital. One of the duties of the dispenser here when the War Office took over the place was to arrange and indent for, and subsequently to receive and unpack, the whole of the instruments, appliances, and supplies of a medical and surgical nature for the above departments as well as for his own, and the maintenance of the supplies for, as well as the correspondence in connection with, the above comprise a work of no small importance, character, and size. The consumption is enormous of such things, as tr. iodi mit., liq. hydrogen. peroxidi, acid. aceto-salicylic., gauze, and absorbent wool, to mention the more common. I have the assistance of three lady dispensers and two orderlies, but as we have to deal with the prescriptions of about twenty medical officers during the day we find the duties very arduous at times. There is also a great deal of work to do in connection with the fitting and making of new splints. I have the rank of quartermaster-sergeant, next to regimental sergeantrank of quartermaster-sergeant, next to regimental sergeant, major the highest that can be given to a non-com. in the R.A.M.C.

Legal Queries.

Most difficulties in trade law are explained in the legal section of "The Chemist and Druggist Diary," 1917, beginning on

A. N. (16/17).—Medicinal wines sold under a wine-licence cannot bear recommendations for ailments without incurring

liability for medicine stamp-duty.

T. W. (187/25).—The time for supplying cocaine solution (not stronger than 1 per cent.) to unregistered dental practitioners has been extended to February 28 by an Order of the Home Secretary

J. & J. (177/19).—Sale of Benzolene is classed as a motor-spirit, and may only be supplied to persons who are licensed to receive motor-spirit. The Petrol Control Committee's address is 19 Berkeley Street, London, W.

W. R. (187/29).—In England the rule in regard to carriage of goods is that the carrier is the agent of the eonsignee, so that the consignor's liability ceases when he delivers the goods to the earrier. In these conditions the owner's risk falls upon you.

W. E. R. (182/38).—WIDOW CARRYING ON CHEMIST'S BUSINESS.—(1) Although your letter does not mention the fact, we presume that the widow of the pharmaceutical chemist is to earry on the business as his widow and under trust as provided by Section 32 of the Pharmacy Act, 1878, the manager being a pharmaceutical chemist as provided in the section. It will be quite legal for such a manager to grant a certificate of apprenticeship. (2) Your second question is not clear.

Miscellaneous Inquiries.

When samples are sent particulars should be supplied to us as to their origin, what they are, what they are used for and how. We do not undertake to analyse and report upon proprietary articles nor to publish supposed formulas for them.

 $W.\ C.\ (97/5)$.—The following is the formula usual followed. It is from "Veterinary Counter Practice": VETERINARY CHLORODYNE.

Extract of Indian hemp 3ij. Capsicin ... Oil of peppermint ... Rectified spirit ... Capsicin ... gr. v. • • • žij.

Rub up the extract and eapsicin with a little spirit, and gradually add the rest of the latter; then add the oil and the following:

Methylated ehloroform ... Methylated ether

Mix. Separately prepare the following mixture: Aeetate of morphine ... Acetate of morphism.

Dilute acetic acid 3j. 5iss. 3iv.

Dissolve by heat, and add to

Compound tragaeanth powder ... 5iij. ... 3x. Liquid extract of liquoriee T'reacle

To this mixture gradually add the chloroformic solution, shaking well after each addition.

Dose for a horse: 3ss. to 3j.

S. E. (145/8) has a high opinion of the value of Guy's Hospital Tonie, and asks if it has been published as a known, admitted, and approved remedy. Yes, in "Pharmaceutical Formulas," Vol. II., as Liver Tonic No. 4, as follows: follows:

> Aeid. nit. mur. dil. ... 51. ... žiij. Inf. gent. cone. Tr. nuo. yom. Glycerini 3ss. . . . Glycerini Aq. chlorof. ad 5vj. ... 5vj. ... 3vj.—M. Dose: One tablespoonful three times a day.

Pose: One tablespoonful three times a day.

Flitch (164/12).—(1) Rennet is prepared from calves' stomachs, but your customer is probably referring to the use of pepsin in place of rennet in cheese-making. In some experiments made at the Wisconsin Experiment Station it was found that a 5-per-cent, solution of Armour's 1-to-5,000 soluble scale pepsin was practically equivalent to the rennet extract employed in cheese-making. This solution was employed in the proportion of 3 oz. to the thousand pounds of milk, and it is stated that the finished cheese was of oxcellent quality. (2) Manufacture of Pepsin.—There is no book devoted to this subject so far as we are awaro. An outline of the process was given in the British Pharmacopæia 1885, but the modern pepsins are more highly concentrated by a process which consists in dissolving the pepsin in acidulated water and reprecipitating with salt.

M. & Co. (Foona) (147/20).—The precipitate in the halrwash is due to the action of ammonia on the colouring-matter of the bay-rum and caramel. It cannot be prevented, so that it is best to allow the hair-wash to stand for at least a month before filtering, when the probability is that no more precipitate will be thrown down.

Cinema (3/1).—CEMENT FOR JOINING CINEMATOGRAPH-FILMS. Acetone or a liquid glue made with acctic acid is employed for joining films made of non-inflammable celluloid. For the inflammable variety a mixture of equal parts of amyl acetate and acetone is required.

Manager (182/7).—Blackening Brass.—See $\it C.$ d $\it D.$, April 3, 1915, p. 56.

R. C. H. (183/14).—(1) LEFROY'S SOLUTION FOR KILLING

Sodium or potassium arsenite 2 parts Water Mix. Label "Poison." Water ... 100 parts

(2) We do not know of the list of hospitals for soldiers to which you refer, but perhaps it is one of the British Red Cross publications.

W. D. (12/1).—The article on electrolysis of superfluous hair was printed in The Chemist and Druggist Diary, 1911,

A. S. C. (188/57).—We must decline your request to supply you with a formula "as near as possible" to the coughmixture you mention.

G. & A. (174/53).—(1) CHILBLAIN-APPLICATION.—The following is the formula for which you ask:

Glycerin ... Honey-water ... Rose-water 3iv. Rose-water Sulphurous acid ...

(2) We cannot say what solution is required in your battery without knowing the kind of battery. The bichromatc eell and the Leclanché cell are most employed.

J. L. P. (180/43).—(1) CATAPLASMA KAOLINI:

(180/43).—(1) CATAPLASMA KAOLINI.
Kaolin, in very fino powder 570 grams
Boric acid, in very fine powder 45 grams
0.5 gram Methyl salicylate ... 2 grams 0.5 gram
 Peppermint oil
 ...
 ...
 0.5 gram

 Glycerin
 ...
 ...
 375 grams

Heat the kaolin for an hour at 100° F., occasionally stirring, add the boric acid, then the glyeerin, incorporating thoroughly; dissolve the thymol in the methyl salieylate and peppermint oil, and add to the mass. Keep in airticht carteiners tight containers.

(2) The difficulty is to obtain rennet at all now, owing to the prohibition of the killing of calves, from whose stomachs the rennet is prepared. It is on this account that pepsin is being employed for curdling milk for cheesemaking (see reply to "Flitch").

J. C. M. (180/21).—Ordinary paraffin oil used for burning cannot be made into toilet-paraffin; the viscosity of the two oils is different.

J. A. (86/24).—You must give us some elue as to why you ask the question regarding the Insurance Committee Clerk.

A. E. F. (179/71).—"The Nurse's Guide to Prescription-reading" (Livingstone, Edinburgh, 1s.) gives much of the elementary knowledge regarding abbreviations for drugs, etc., about which you ask. Doses you can learn from the little "Dose-book" which we publish at 6d.

J. Y. M. (188/27).—Cloudy whisky can be cleared by filtration through paper, especially if a little kaolin is used.

Retrospect of Fifty Years Ago.

Reprinted from "The Chemist and Druggist," Jan. 15, 1867.

Methylated Spirit.

Methylated Spirit.

The fourth editorial article in the issue dealt with new regulations made in conformity with the important law passed in the last Session of Parliament for preventing the use of methylated spirit in the preparation of compounds or mixtures eapable of being used internally as medicines or as beverages. The Act states that "if any person shall use methylated spirit, or any derivative thereof, in the manufacture, composition, or preparation of any article as aforesaid, or shall sell or have in his possession any such article in the manufacture, composition, or preparation whereof any methylated spirit, or any derivative thereof, shall have been used, he shall forfeit the sum of 100t., and such article shall be forfeited, together with the vessels or packages containing the same." The article proceeded to deal with correspondence between the Board of Inland Revenue and Mr. Horneastle, of Hyde Park Gardens, in regard to the limitations on the use of methylated spirit; and letters that had passed between Mr. John Brown, Hon. Secretary of the York Chemists' Association, and Mr. Adam Young, Assistant Secretary to the Inland Revenue, Somerset House, London, W.C., were also printed.

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A A 11

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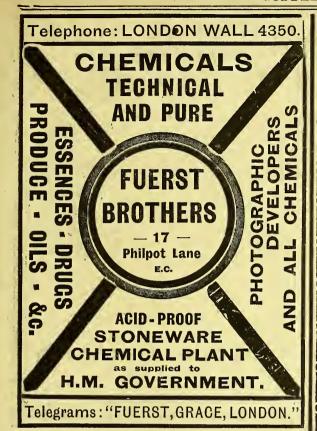
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Acetanilide, B.P., 1 lb. @ 3/10 lb.; 7 lbs. @ 3/6 lb.; powdes, 1d. lb. extra.

*Acet. Ipecac., B.P., 6 lbs. @ 1/10 lb.
, Scille, P.B., 6 lbs. @ 5d. lb.

*Acid. Acet. Glacial., 99%, 6 lbs. @ 2/9 lb., Acetylo-Salicyl. 1 lb. @ 22/6 lb.

Benz, B.P., 7 lbs. @ 30/- lb.; 1 lb. @ 31/- lb.

31/-1b.
Boric Pulv., 3 cwt. @ 61/9 cwt.; 1 cwt. @
62/9 cwt.; levigd. cwt. or lb. extra.
Carbol. Xtls., 39/40; 56 lb. drums @ 2/-lb.; 121-lb. Bots. @ 2/4 lb.; Single Bots.
@ 2/6 lb.; Detached Cryst. 1 lb. @ 2/8
lb.; Crude Black, 45 gall. casks @ 1/1 gal.; 5 gall. drums @ 1/8 gall.; 1 gall. tins @
2/6 sach.

2/0 each. Ciric, cryst., B.P., 85, 7 lbs., in bags @ 2/9 lb., powder, id. lb. extra.

Diethylbarbituric, 1 oz. 6 8/- oz.
Gallic, pur., P.B., 7 lbs. @ 6/9 lb.; 1 lb. @ 7/- Ib.

//- 10.
, Hydrobrom., 6 lbs. @ 1/10 lb.
, Hydrochlor. Coml., cases of 4 2-gal. jars, 28/6 each; 20 case lots @ 27/6 each.
, Hydrocyan. P.B., 6 lbs. @ 1/7 lb.; 1 lb. @ 2/- lb.; 36 1-oz. Vlals @ 7/6 dos.
, Oxalic Cryst., 1 cwt. @ 1/10 lb.; 14 lbs. @ 2/- lb.

; Oxalic Csyst., 1 cwt. @ 1/10 lb.; 14 lbs.@ 2/- lb.

; Phosph. Dil. B.P., 6 lbs. @ 6d. lb.
; Salicyi. pulv. 1 lb. @ 7/- lb.
; Sulphus, Coml., cases, 4 2-gal. jars @ 36/-each; 20 cases @ 35/- each.
;; Sulph. Aromat. B.P., 5 lbs. @ 4/4 lb.
; Tant., B.P., 1 lb. @ 6/6 lb.
;; Tart., cryst. or pulv. B.P., 1885, 7 lbs.
; 2/9 lb.; parv. ½d. lb. extra.

Adeps Benz., B.P., 28 lbs. @ 1/1½ lb.; 7 lbs. @ 1/2½ lb.

Esngo Æris Pulv., 14 lbs. @ 1/5 lb.

Aloes Barb., English-ground, 28 lbs. @ 120/-ewt.; 7 lbs. @ 1/3 lb.

Aloes, Socot. 7 lbs. @ 1/5 lb.; powder, 7 lbs. @

Aloln, B.P., 1 lb. @ 5/6 lb.

Ammon. Benz., 7 lbs. @ 26/- lb.; 1 lb. @ 27/- lb. Ammon. Brom. P.B., 7 lbs. @ 6/6 lb.

Ammon. Srom. P.S., 7 lbs. @ 6/6 lb.
Ammon. Carb. lump, 3 cwt. @ 7½d. lb.; 28 lbs.
@ 8½d. lb.; 7 lbs. @ 9d. lb.; powdes, ½d.
lb. extra.
Ammon. Chlor., 99% pulv., 1 cwt. @ 59/- cwt.;
7 lbs. @ 7½d. lb.; Batteries, 6/- cwt. extra.
Amyli Pulv., 10 cwt. @ 24/9 cwt.; 2½ cwt. @
26/6 cwt.; 1 cwt. @ 28/6 cwt.

Anisced, English ground, 1 cwt. @ 85/- cwt.; 7 lbs. @ 10d. lb.

Antim. Nig. Pulv., 7 lbs. @ 10d. lb. Antim. Tart. Pulv., 7 lbs. @ 3/- lb.

Aplol, 1 lb. @ 27/6 lb.

*Aqua Anethi Conc. 1-40, 1 lb. @ 3/8 lb. Anisi Conc. 1-40, 1 lb. @ 3/8 lb. **

Aurant. Conc. 1-40, 1 lb. @ 6/11 lb.

Aurant. Trip., 6 lbs. @ 8d. lb.; 53 lbs. for 23/-

Cinnam. Conc. 1-40, 1 lb. @ 4/1 lb.

Laurocerasi, 6 ibs. @ 8d. lb. Menth. Pip. Conc., 1-40. 1 lb. @ 3/9 lb. ,,

Rosæ Conc. 1-40, 1 lb. @ 7/9 lb. Rosæ Trip., 53 lbs. for 25/-; 6 lbs. @ ** 8d. 1b.

Samb. Conc., 1-40, 1 lb. @ 6/11 lb.

Samb. Trip., 6 lbs. @ 8d. ib. Asaroba, fine powdes, 7 lbs. @ 9/- lb.; 1 lb. @ 9/6 lb. Argent. Nit., 6's to oz., 25 oz. @ 2/4 oz.; 1 oz. @ 2/5 oz.

Asgent. Nit., Cryst., 25 oz. @ 2/2 oz.; 8 oz. @ 2/3 oz.

Arsenic, Alb. Pulv., 2 cwt. @ 45/- cwt.; 7 lbs. @ 51d. lb.

Atsopinæ Sulph., P.B., 1 oz. @ 130/- oz. Auri Chlor., 6 doz. 15 gr. tubes @ 22/6 doz.; 1 doz. 15 gr. tubes @ 22/9 doz.

*Bals. Copaibæ, pure, 44 lbs. @ 3/4 lb.; 9 lbs. @ 3/8 lb.; 1 lb. @ 3/11.

Peruv., P.B., 1 lb. @ 18/- lb.

Sulphur, 7 lbs. @ 1/- lb.

" Tolut. B.P., 50 lbs. @ 1/101 lb.; 1 lb. @ 2/4 lb.

Bismuth, P.B., Carb., 3 lbs. @ 13/6 lb.; 1 lb. @ 14/- lb.; subnit., 3 lbs. @ 12/6 lb.; 1 lb. @ 13/- lb. , Salicyl., 1 lb. @ 23/- lb.

Boracic Mixture, 1 cwt. @ 85/- cwt. Borax, 1 cwt. @ 38/6; powder 1/- extsa. Butyl-Chloral Hydras., P.B., 1 lb. @

Caffeine, P.B., 1 lb. @ 48/-lb. Caffeinæ Cit., B.P., 1 lb. @ 32/-lb. Calamina, powder, fine pink, 5 ewt. @ 25/- cwt.; 1 cwt. @ 28/- cwt.; 7 lbs. @ 4d. lb.

Calamine, B.P., 1885, 7 lbs. @ 1/3 lb. Calcii Carb. Præcip., 5 cwt. @ 18/6 cwt.; 1 cwt. @ 23/- cwt.; 28 lbs. @ 27/6 cwt.

" Hydras., P.B., 1 cwt. @ 25/- cwt.; 7 lbs. @ 5d. lb.

" Hypophosph. Pur., P.B., 1 lb. @ 4/- lb.

" Iodid., 1 lb. @ 21/6 lb. Camphor, English Flowers, "not artificial,"
5 lbs. @ 3/1 lb.; ½ oz. or ½ loz. 7 lbs. @ 3/5
lb.; good white, about 95% as imported,
140 lbs. @ 1/11 lb.; 28 lbs. @ 2/2 lb.
Capsicine, soluble, 1 lb. @ 9/6 lb.

Capsicine, soluble, 1 ib. @ 9/6 ib.

Carbo Animalis or Ligni, powder or lump, 1 cwt. @ 25/- cwt.; 28 lbs. @ 3/4 lb.

Cardamons, 28 lbs. @ 2/6 ib.; 7 lbs. @ 3/- lb.

Carmine, Finest, 1 lb. @ 35/- lb.; No. 2, 1 lb.

@ lb.

Cera Alba, B.P., White Moons, 28 lbs. @ 2/2 lb.; 4 lbs. @ 2/4 lb.; Flav. 1 lb. Blocks, 28 lbs. @ 1/9/3 lb.; 4 lbs. @ 1/10/4 lb.; 1 oz., ½ oz. tabs., 7 lbs. @ 1/10/4 lb.; 1 oz., ½ oz. tabs., 7 lbs. @ 1/10/4 lb.

Ceril Oxalas, 1 lb. @ 6/6 lb.

Cetaceum, No. 1, fine white, 64 lbs. @ 11d. lb.; 7 lbs. @ 1/2 lb.; powder, 7 lbs. @ 11/9 lb.; 1 lb. @ 12/3 lb.

Chlorad Hydras Cryst., B.P., 7 lbs. @ 11/9 lb.; 1 lb. @ 12/3 lb.

Chloroform, pure, B.P., 12 8-lbs. @ 3/7 lb.; 8 lbs. @ 3/9 lb.; 6 1-lb. bots. @ 4/2 lb.

Cocaine Hydrochlor., 25 ozs. @ 25/-; 4 ozs. @ 26/-; 1 oz. @ 26/6.

Codelna, 1 oz. @ 23/6 oz.; Phosph., 1 oz. @ 19/6 oz.; Hydrochlos. or Suiph., 1 oz. @ 20/6 oz.

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Colocynth, Apple, English ground, 1 cwt. @ 1/4
lb.; 28 lbs. @ 1/5 lb.; 7 lbs. @ 1/7 lb.

Composition Powder (Coffin's), 1 cwt. @ 62/cwt.; 7 lbs. @ 8d. lb.

Conf. Sennæ, P.B., 14 lbs. @ 1/1 lb.; 7 lbs. @

1/2 lb.

Cost. Aurant. Exot. Shreds, 7 lbs. @ 2/4 lb.
,, Cinchon. Rub. (Quill), 7 lbs. @ 1/7 lb.
,, Ulmi Fulvæ, Pulv., 1 cwt. @ 11d. lb.; 7 lbs.

@ 1/1 lb.
Cream of Tartar, 98% powdes, 1 cwt. @ 192/cwt.; 7 lbs. @ 1/10 lb.

Creasote, Beechwood, P.B., 7 lbs. 2 14/6 lb.
Creta c. Camph., 7 lbs. @ 10d. lb.

" Gall. Pulv., in sacks, 10 cwt. @ 10/- cwt.;
1 cwt. @ 12/- cwt.; 14 lbs. @ 13d. lb.
" Praparata, 7 lbs. ln box @ 1/3 each.
Cubebæ, English Ground, 28 lbs. @ 2/6 lb.;
7 lbs. @ 2/8 lb.

*Dec. Aloes Co. Conc. 1-2, 6 lbs. @ 2/1 lb.; Sinecroco, 6 lbs. @ 1/4 lb. ,, Cinchonæ (Rubræ) Conc., 1-7, 6 lbs. @ 2/3 lb.

" Senegæ Conc., 6 lbs. @ 2/11 lb.

Emp. Spread, 12 yards × 16 ins. adhesive, 6/-;
Bellad. B.P.C., Green @ 28/6; Cerat.
Saponis @ 12/4; Picis Co. @ 12/4; Plumbil
@ 10/-; Resina @ 7/6; Roborans @ 11/6;
Saponis, B.P., @ 10/Emp. Picis, P.B., 7 ibs. @ 1/1 ib.
;, Plumbl, P.B., 7 ibs. @ 1/1 ib.
;, Plumbl, P.B., 7 ibs. @ 1/1 ib.
;, Roborans, 7 ibs. @ 1/1 ib.
Emulsio Ol. Morthuæ, 5 ibs. @ 1/6 ib.
Eserine Sulph., in 15-grain tubes, 8/3 each.
Ess. Bergam. (Oil), 12 ibs. @ 21/- ib.; 1 ib.
@ 22/- ib.; not guaranteed absointely pure.

pure.

Ess. Limonis (oil) original coppess, 12 lbs.
@ 4/3 lb.; 6 l-lb. bots. @ 4/9 lb.;
not guaranteed absolutely pure.

Ess. Moschi (not artificial), 5 lbs. @ 14/6 lb.;
1 lb. @ 15/- lb.

Ess. Pear (artificial), Jargonelle, 5 lbs. @
3/9 lb.; Bergamot, 4/3 lb.

Ess. Pineapple, 5 lbs. @ 4/- lb.

, Raspberry, 5 lbs. @ 2/8 lb.; 1 lb. @ 3/- lb. oure.

Vanilla Beans, 5 lbs. @ 4/6 lb.; 1 lb. @ 4/9 lb.

*, Vanilla Beans, 5 lbs. @ 4/6 lb.; 1 lb. @ 4/9 lb.

*Ext. Belladonnæ Llq., B.P., 5 lbs. @ 19/- lb.; 1 lb. @ 19/6 lb.; solid, 7 lbs. @ 11/6 lb.

Ext. Can. @ 19/6 lb.; solid, 7 lbs. @ 11/6 lb.

Ext. Cascara Sag. Liq., B.P., 1 cwt. @ 1/9 lb.; 10 lbs. @ 1/11 lb.

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